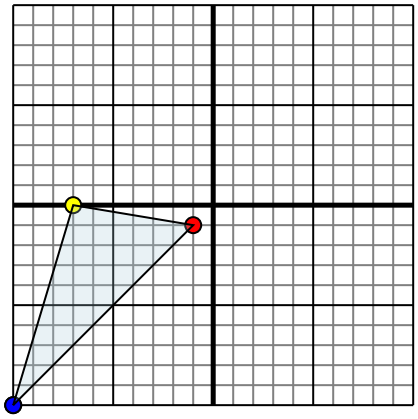
Reflecting on a Coordinate Plane

Name:

Reflect each shape as described.

1)



The shape above has the following coordinates:

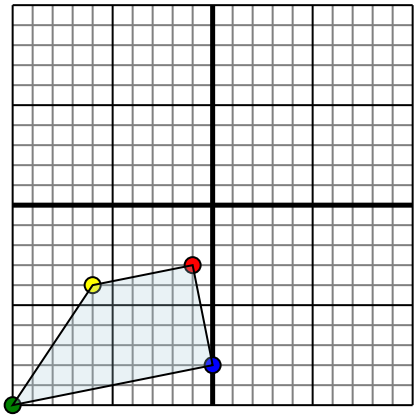
A. (-1,-1)

B. (-7,0)

C. (-10,-10)

Reflect the shape over the X axis.

2)



The shape above has the following coordinates:

A. (-1,-3)

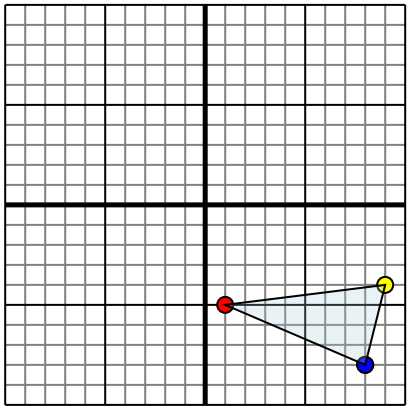
B. (-6,-4)

C. (-10,-10)

D. (0,-8)

Reflect the shape over the X axis.

3)



The shape above has the following coordinates:

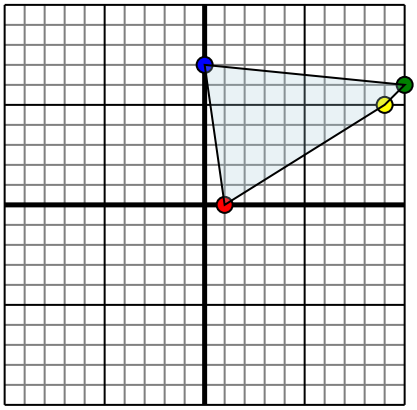
A. (1,-5)

B. (9,-4)

C. (8,-8)

Reflect the shape over the X axis.

4)



The shape above has the following coordinates:

A. (1,0)

B. (9,5)

C. (10,6)

D. (0,7)

Reflect the shape over the X axis.

Answers

1. ___ ___ ___ ___

2. ___ ___ ___ ___ ___

3. ___ ___ ___ ___

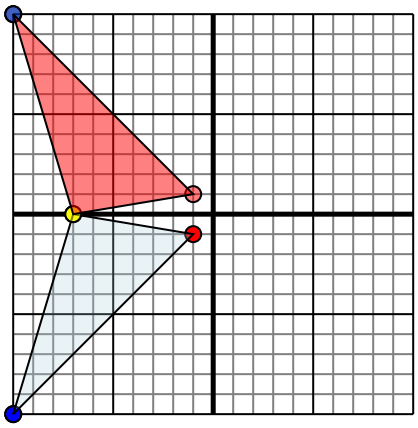
4. ___ ___ ___ ___ ___

1-4	75	50	25	0

Reflecting on a Coordinate Plane Name: **Answer Key**

Reflect each shape as described.

1)



The shape above has the following coordinates:

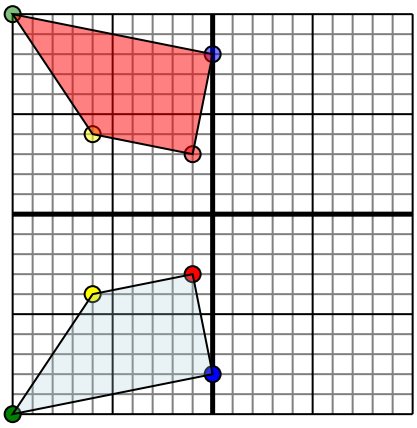
A. (-1,-1)

B. (-7,0)

C. (-10,-10)

Reflect the shape over the X axis.

2)



The shape above has the following coordinates:

A. (-1,-3)

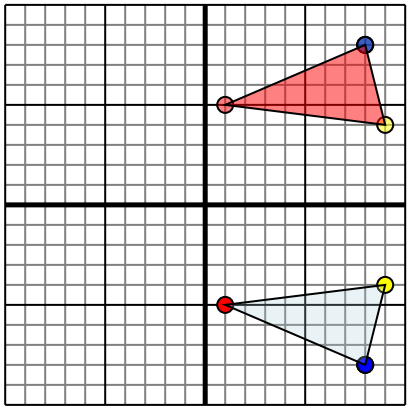
B. (-6,-4)

C. (-10,-10)

D. (0,-8)

Reflect the shape over the X axis.

3)



The shape above has the following coordinates:

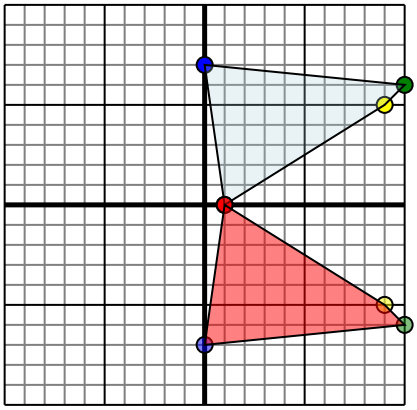
A. (1,-5)

B. (9,-4)

C. (8,-8)

Reflect the shape over the X axis.

4)



The shape above has the following coordinates:

A. (1,0)

B. (9,5)

C. (10,6)

D. (0,7)

Reflect the shape over the X axis.

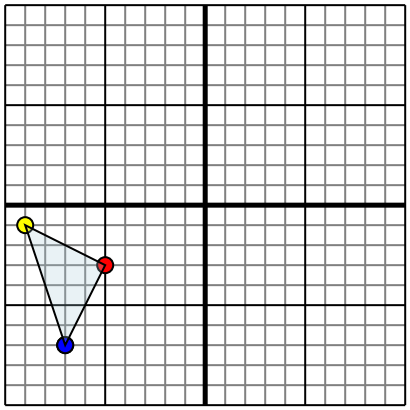
Answers

1. -1,1 -7,0 -10,10 Graph
2. -1,3 -6,4 -10,10 0,8 Graph
3. 1,5 9,4 8,8 Graph
4. 1,0 9,-5 10,-6 0,-7 Graph

1-4	75	50	25	0

Reflect each shape as described.

1)



The shape above has the following coordinates:

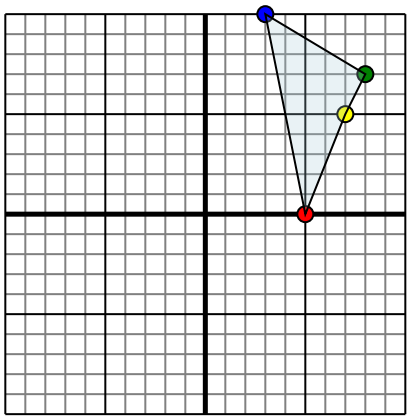
A. (-5,-3)

B. (-9,-1)

C. (-7,-7)

Reflect the shape over the X axis.

2)



The shape above has the following coordinates:

A. (5,0)

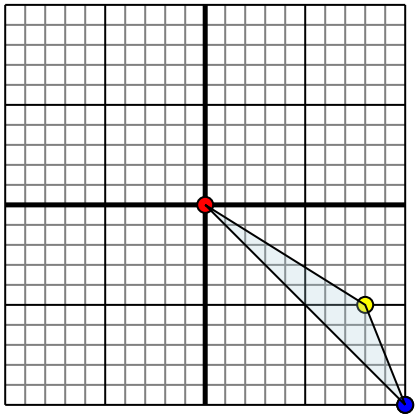
B. (7,5)

C. (8,7)

D. (3,10)

Reflect the shape over the X axis.

3)



The shape above has the following coordinates:

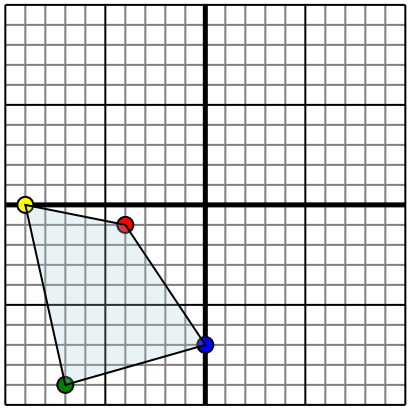
A. (0,0)

B. (8,-5)

C. (10,-10)

Reflect the shape over the Y axis.

4)



The shape above has the following coordinates:

A. (-4,-1)

B. (-9,0)

C. (-7,-9)

D. (0,-7)

Reflect the shape over the Y axis.

Answers

1. ___ ___ ___ ___

2. ___ ___ ___ ___ ___

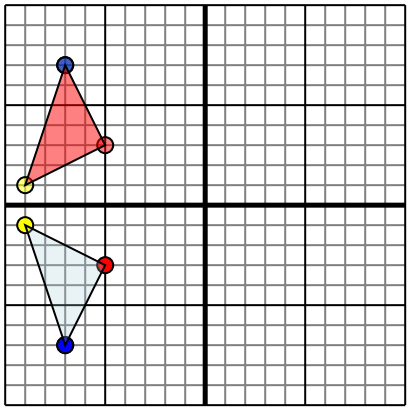
3. ___ ___ ___ ___

4. ___ ___ ___ ___ ___

1-4	75	50	25	0

Reflect each shape as described.

1)



The shape above has the following coordinates:

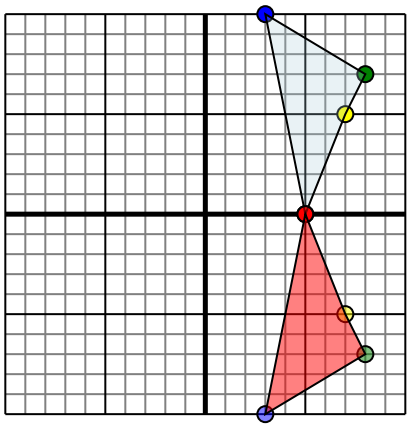
A. (-5,-3)

B. (-9,-1)

C. (-7,-7)

Reflect the shape over the X axis.

2)



The shape above has the following coordinates:

A. (5,0)

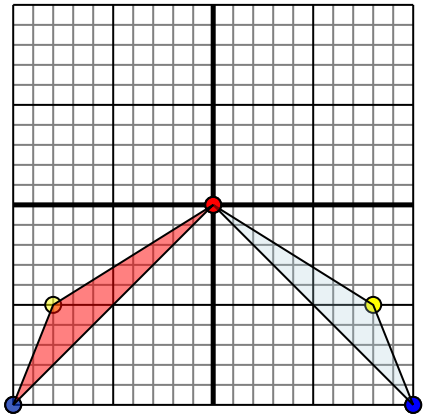
B. (7,5)

C. (8,7)

D. (3,10)

Reflect the shape over the X axis.

3)



The shape above has the following coordinates:

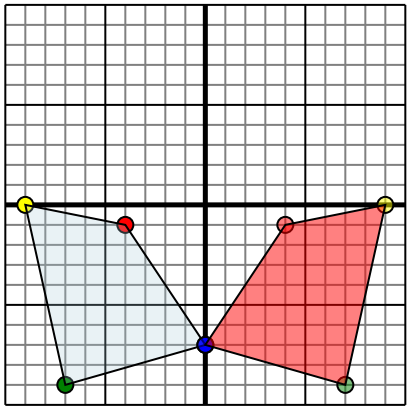
A. (0,0)

B. (8,-5)

C. (10,-10)

Reflect the shape over the Y axis.

4)



The shape above has the following coordinates:

A. (-4,-1)

B. (-9,0)

C. (-7,-9)

D. (0,-7)

Reflect the shape over the Y axis.

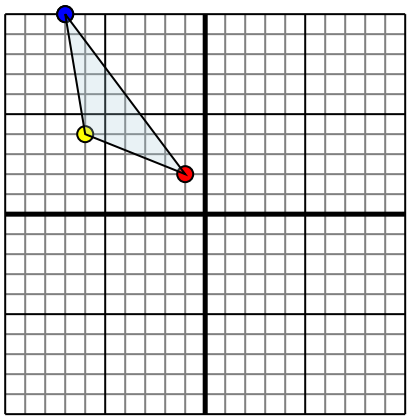
Answers

1. -5,3 -9,1 -7,7 Graph
2. 5,0 7,-5 8,-7 3,-10 Graph
3. 0,0 -8,-5 -10,-10 Graph
4. 4,-1 9,0 7,-9 0,-7 Graph

1-4	75	50	25	0

Reflect each shape as described.

1)



The shape above has the following coordinates:

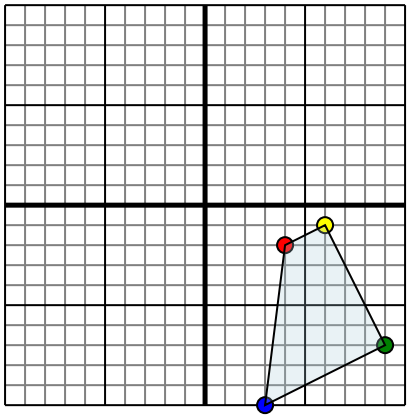
A. (-1,2)

B. (-6,4)

C. (-7,10)

Reflect the shape over the Y axis.

2)



The shape above has the following coordinates:

A. (4,-2)

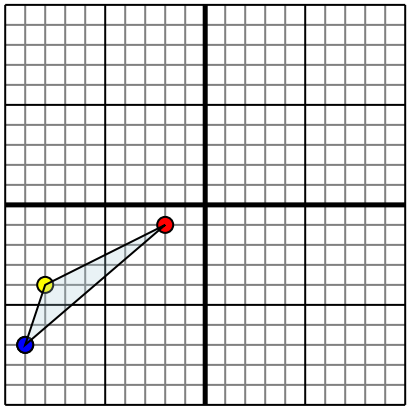
B. (6,-1)

C. (9,-7)

D. (3,-10)

Reflect the shape over the X axis.

3)



The shape above has the following coordinates:

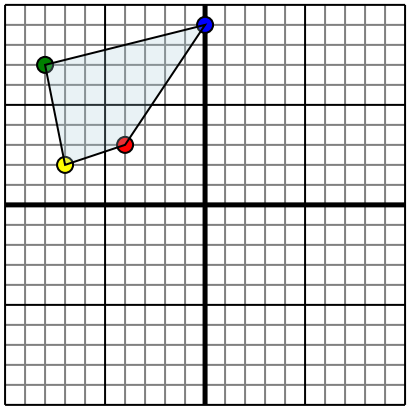
A. (-2,-1)

B. (-8,-4)

C. (-9,-7)

Reflect the shape over the X axis.

4)



The shape above has the following coordinates:

A. (-4,3)

B. (-7,2)

C. (-8,7)

D. (0,9)

Reflect the shape over the Y axis.

Answers

1. ___ ___ ___ ___

2. ___ ___ ___ ___ ___

3. ___ ___ ___ ___

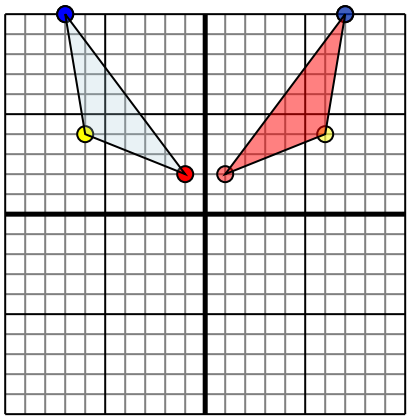
4. ___ ___ ___ ___ ___

1-4	75	50	25	0

Reflecting on a Coordinate Plane Name: **Answer Key**

Reflect each shape as described.

1)



The shape above has the following coordinates:

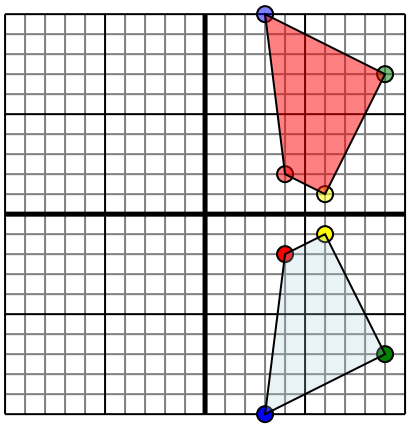
A. (-1,2)

B. (-6,4)

C. (-7,10)

Reflect the shape over the Y axis.

2)



The shape above has the following coordinates:

A. (4,-2)

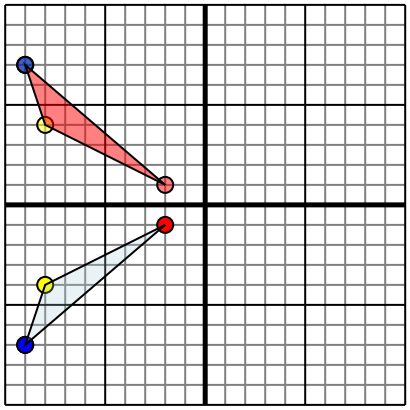
B. (6,-1)

C. (9,-7)

D. (3,-10)

Reflect the shape over the X axis.

3)



The shape above has the following coordinates:

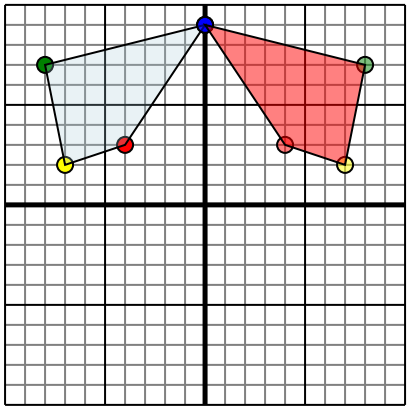
A. (-2,-1)

B. (-8,-4)

C. (-9,-7)

Reflect the shape over the X axis.

4)



The shape above has the following coordinates:

A. (-4,3)

B. (-7,2)

C. (-8,7)

D. (0,9)

Reflect the shape over the Y axis.

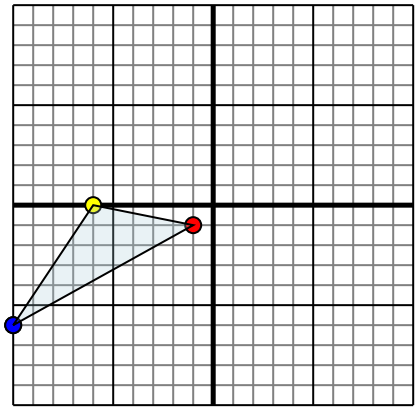
Answers

1. 1,2 6,4 7,10 Graph
2. 4,2 6,1 9,7 3,10 Graph
3. -2,1 -8,4 -9,7 Graph
4. 4,3 7,2 8,7 0,9 Graph

1-4	75	50	25	0

Reflect each shape as described.

1)



The shape above has the following coordinates:

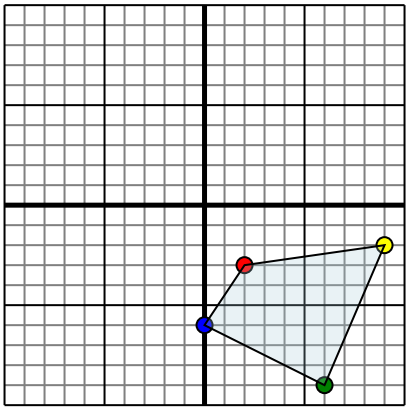
A. (-1,-1)

B. (-6,0)

C. (-10,-6)

Reflect the shape over the X axis.

2)



The shape above has the following coordinates:

A. (2,-3)

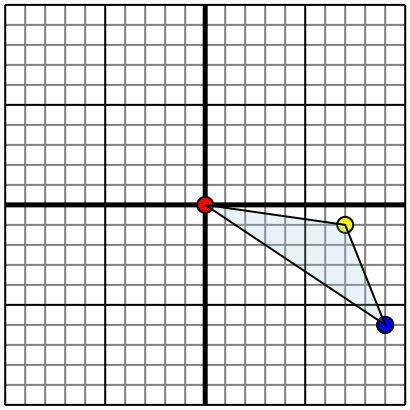
B. (9,-2)

C. (6,-9)

D. (0,-6)

Reflect the shape over the Y axis.

3)



The shape above has the following coordinates:

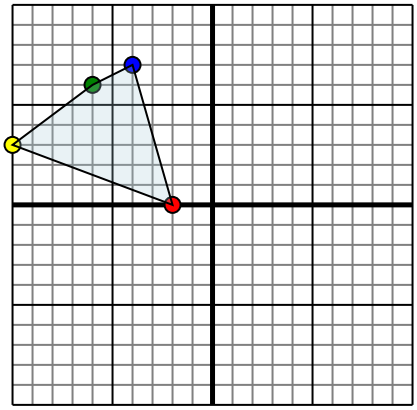
A. (0,0)

B. (7,-1)

C. (9,-6)

Reflect the shape over the X axis.

4)



The shape above has the following coordinates:

A. (-2,0)

B. (-10,3)

C. (-6,6)

D. (-4,7)

Reflect the shape over the X axis.

Answers

1. ___ ___ ___ ___

2. ___ ___ ___ ___ ___

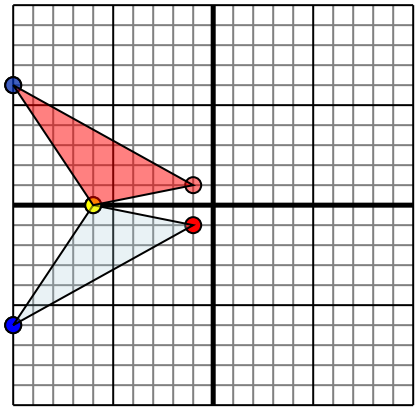
3. ___ ___ ___ ___

4. ___ ___ ___ ___ ___

1-4	75	50	25	0

Reflect each shape as described.

1)



The shape above has the following coordinates:

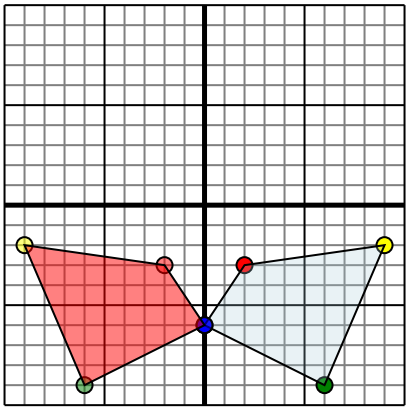
A. (-1,-1)

B. (-6,0)

C. (-10,-6)

Reflect the shape over the X axis.

2)



The shape above has the following coordinates:

A. (2,-3)

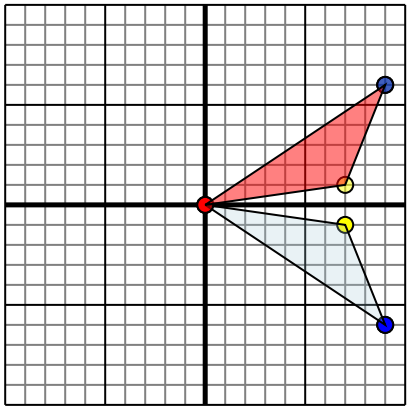
B. (9,-2)

C. (6,-9)

D. (0,-6)

Reflect the shape over the Y axis.

3)



The shape above has the following coordinates:

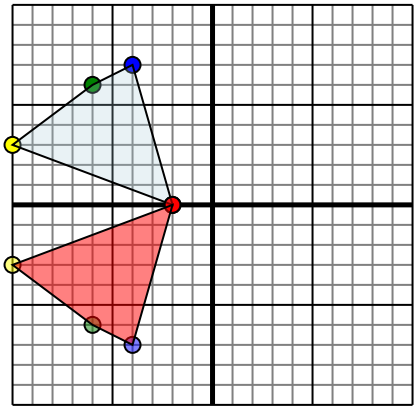
A. (0,0)

B. (7,-1)

C. (9,-6)

Reflect the shape over the X axis.

4)



The shape above has the following coordinates:

A. (-2,0)

B. (-10,3)

C. (-6,6)

D. (-4,7)

Reflect the shape over the X axis.

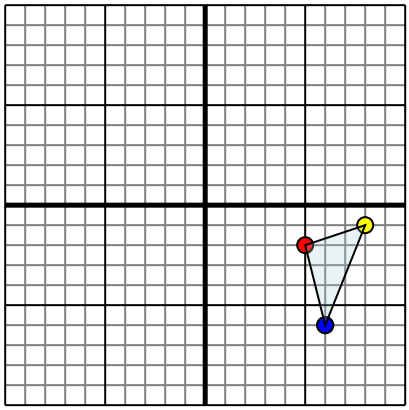
Answers

1. -1,1 -6,0 -10,6 Graph
2. -2,-3 -9,-2 -6,-9 0,-6 Graph
3. 0,0 7,1 9,6 Graph
4. -2,0 -10,-3 -6,-6 -4,-7 Graph

1-4	75	50	25	0

Reflect each shape as described.

1)



The shape above has the following coordinates:

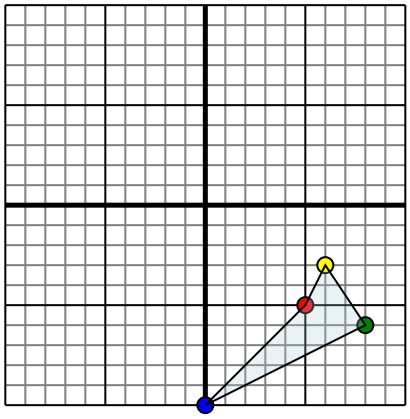
A. (5,-2)

B. (8,-1)

C. (6,-6)

Reflect the shape over the X axis.

2)



The shape above has the following coordinates:

A. (5,-5)

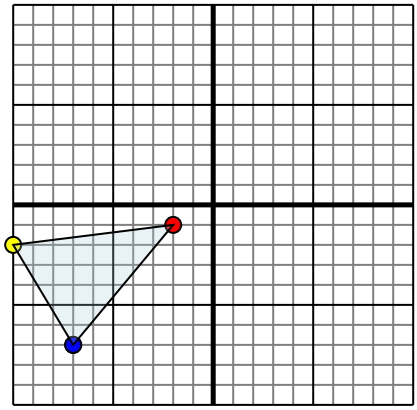
B. (6,-3)

C. (8,-6)

D. (0,-10)

Reflect the shape over the Y axis.

3)



The shape above has the following coordinates:

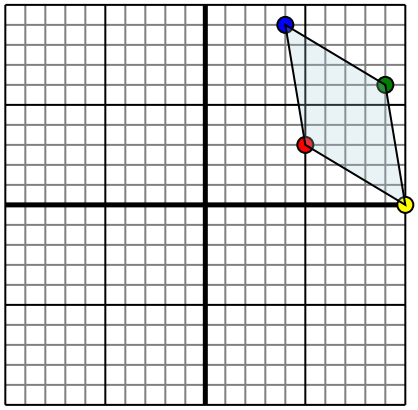
A. (-2,-1)

B. (-10,-2)

C. (-7,-7)

Reflect the shape over the X axis.

4)



The shape above has the following coordinates:

A. (5,3)

B. (10,0)

C. (9,6)

D. (4,9)

Reflect the shape over the X axis.

Answers

1. ___ ___ ___ ___

2. ___ ___ ___ ___ ___

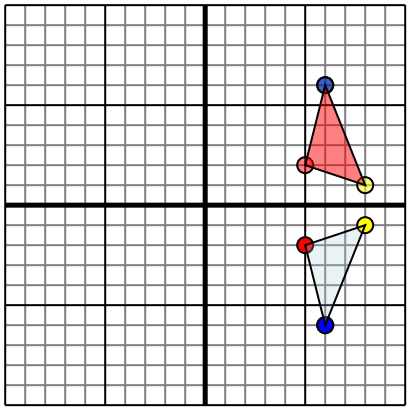
3. ___ ___ ___ ___

4. ___ ___ ___ ___ ___

1-4	75	50	25	0

Reflect each shape as described.

1)



The shape above has the following coordinates:

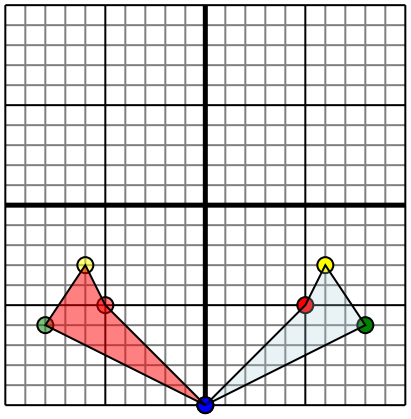
A. (5,-2)

B. (8,-1)

C. (6,-6)

Reflect the shape over the X axis.

2)



The shape above has the following coordinates:

A. (5,-5)

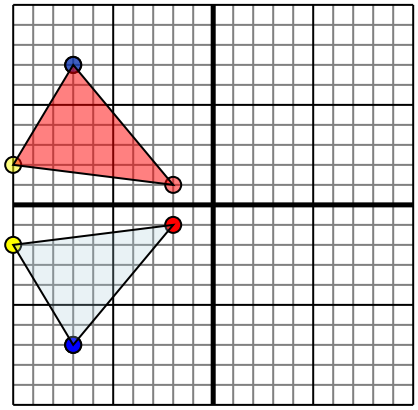
B. (6,-3)

C. (8,-6)

D. (0,-10)

Reflect the shape over the Y axis.

3)



The shape above has the following coordinates:

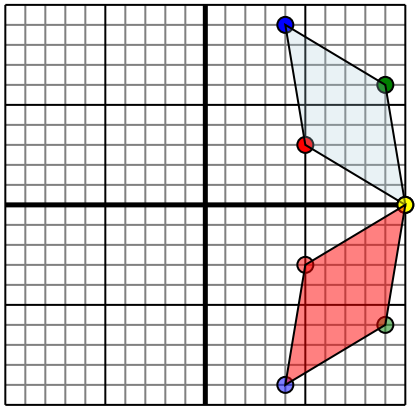
A. (-2,-1)

B. (-10,-2)

C. (-7,-7)

Reflect the shape over the X axis.

4)



The shape above has the following coordinates:

A. (5,3)

B. (10,0)

C. (9,6)

D. (4,9)

Reflect the shape over the X axis.

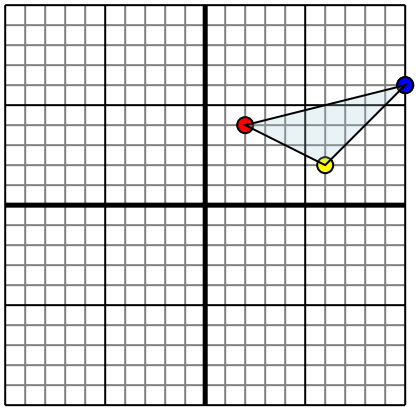
Answers

1. 5,2 8,1 6,6 Graph
2. -5,-5 -6,-3 -8,-6 0,-10 Graph
3. -2,1 -10,2 -7,7 Graph
4. 5,-3 10,0 9,-6 4,-9 Graph

1-4	75	50	25	0

Reflect each shape as described.

1)



The shape above has the following coordinates:

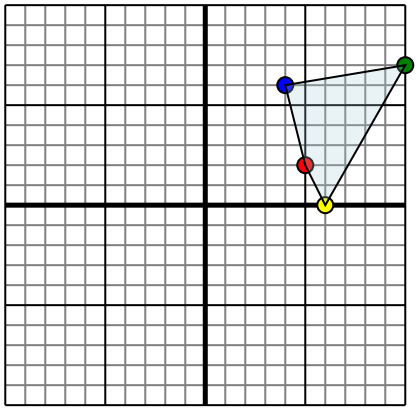
A. (2,4)

B. (6,2)

C. (10,6)

Reflect the shape over the X axis.

2)



The shape above has the following coordinates:

A. (5,2)

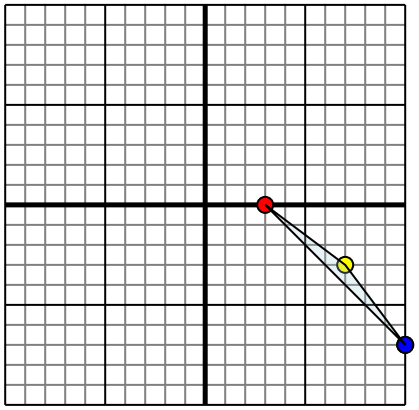
B. (6,0)

C. (10,7)

D. (4,6)

Reflect the shape over the Y axis.

3)



The shape above has the following coordinates:

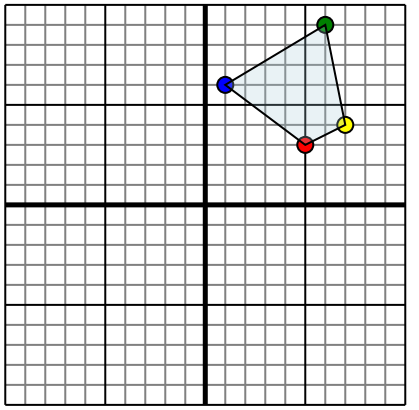
A. (3,0)

B. (7,-3)

C. (10,-7)

Reflect the shape over the X axis.

4)



The shape above has the following coordinates:

A. (5,3)

B. (7,4)

C. (6,9)

D. (1,6)

Reflect the shape over the Y axis.

Answers

1. ___ ___ ___ ___

2. ___ ___ ___ ___ ___

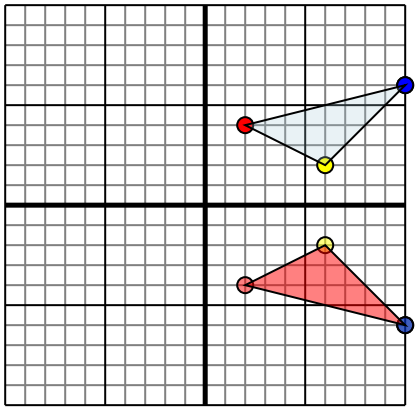
3. ___ ___ ___ ___

4. ___ ___ ___ ___ ___

1-4	75	50	25	0

Reflect each shape as described.

1)



The shape above has the following coordinates:

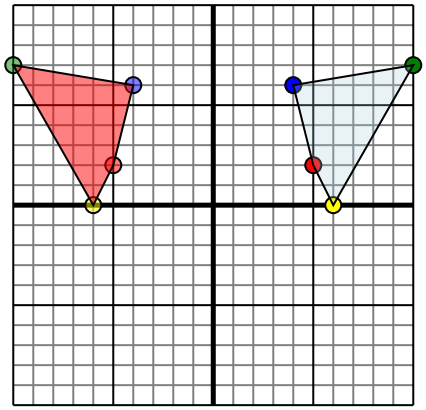
A. (2,4)

B. (6,2)

C. (10,6)

Reflect the shape over the X axis.

2)



The shape above has the following coordinates:

A. (5,2)

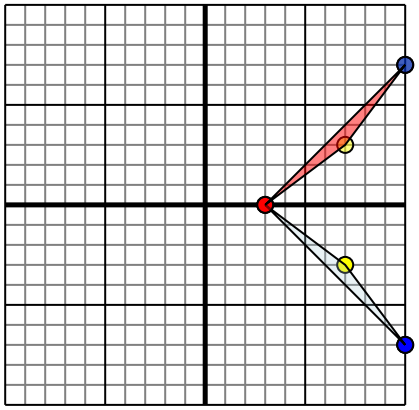
B. (6,0)

C. (10,7)

D. (4,6)

Reflect the shape over the Y axis.

3)



The shape above has the following coordinates:

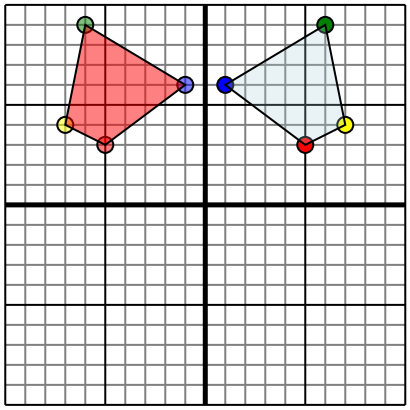
A. (3,0)

B. (7,-3)

C. (10,-7)

Reflect the shape over the X axis.

4)



The shape above has the following coordinates:

A. (5,3)

B. (7,4)

C. (6,9)

D. (1,6)

Reflect the shape over the Y axis.

Answers

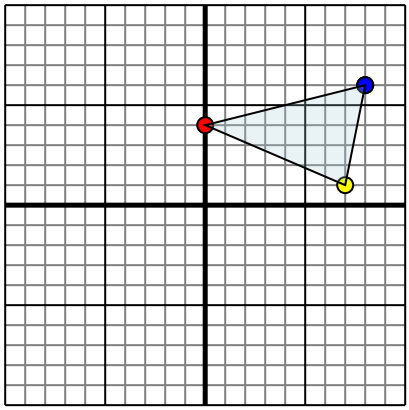
1. 2,-4 6,-2 10,-6 Graph
2. -5,2 -6,0 -10,7 -4,6 Graph
3. 3,0 7,3 10,7 Graph
4. -5,3 -7,4 -6,9 -1,6 Graph

1-4	75	50	25	0

Reflecting on a Coordinate Plane Name:

Reflect each shape as described.

1)



The shape above has the following coordinates:

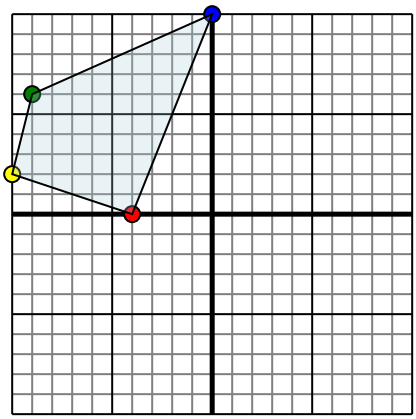
A. (0,4)

B. (7,1)

C. (8,6)

Reflect the shape over the X axis.

2)



The shape above has the following coordinates:

A. (-4,0)

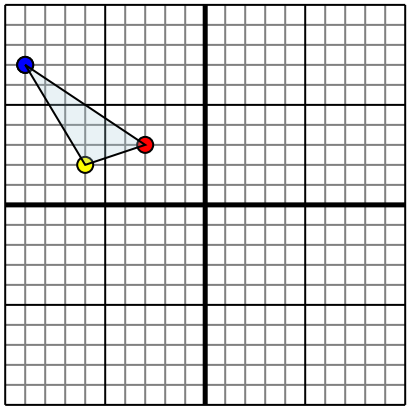
B. (-10,2)

C. (-9,6)

D. (0,10)

Reflect the shape over the Y axis.

3)



The shape above has the following coordinates:

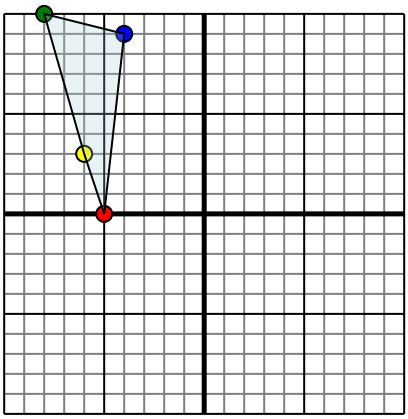
A. (-3,3)

B. (-6,2)

C. (-9,7)

Reflect the shape over the Y axis.

4)



The shape above has the following coordinates:

A. (-5,0)

B. (-6,3)

C. (-8,10)

D. (-4,9)

Reflect the shape over the X axis.

Answers

1. ___ ___ ___ ___

2. ___ ___ ___ ___ ___

3. ___ ___ ___ ___

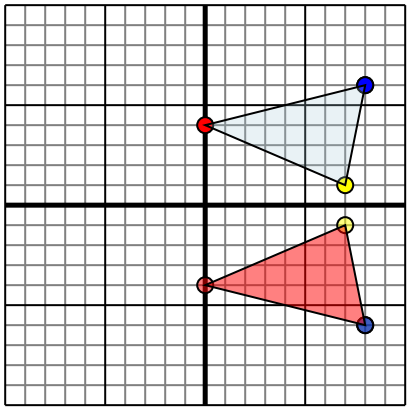
4. ___ ___ ___ ___ ___

1-4	75	50	25	0

Reflecting on a Coordinate Plane Name: **Answer Key**

Reflect each shape as described.

1)



The shape above has the following coordinates:

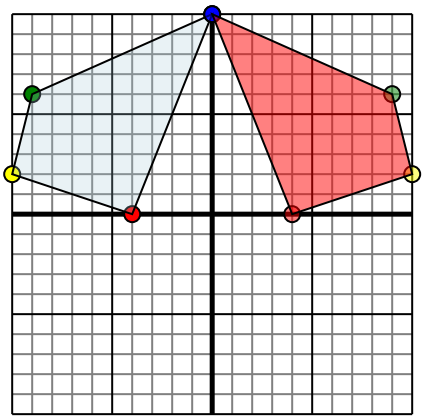
A. (0,4)

B. (7,1)

C. (8,6)

Reflect the shape over the X axis.

2)



The shape above has the following coordinates:

A. (-4,0)

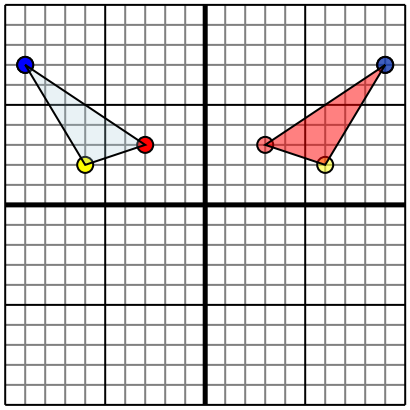
B. (-10,2)

C. (-9,6)

D. (0,10)

Reflect the shape over the Y axis.

3)



The shape above has the following coordinates:

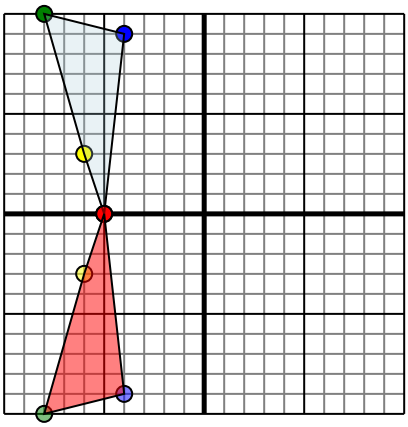
A. (-3,3)

B. (-6,2)

C. (-9,7)

Reflect the shape over the Y axis.

4)



The shape above has the following coordinates:

A. (-5,0)

B. (-6,3)

C. (-8,10)

D. (-4,9)

Reflect the shape over the X axis.

Answers

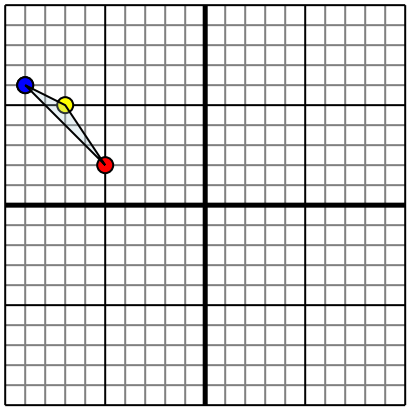
1. 0,-4 7,-1 8,-6 Graph
2. 4,0 10,2 9,6 0,10 Graph
3. 3,3 6,2 9,7 Graph
4. -5,0 -6,-3 -8,-10 -4,-9 Graph

1-4	75	50	25	0

Reflecting on a Coordinate Plane Name:

Reflect each shape as described.

1)



The shape above has the following coordinates:

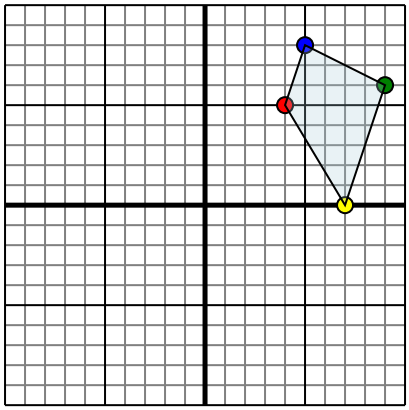
A. (-5,2)

B. (-7,5)

C. (-9,6)

Reflect the shape over the X axis.

2)



The shape above has the following coordinates:

A. (4,5)

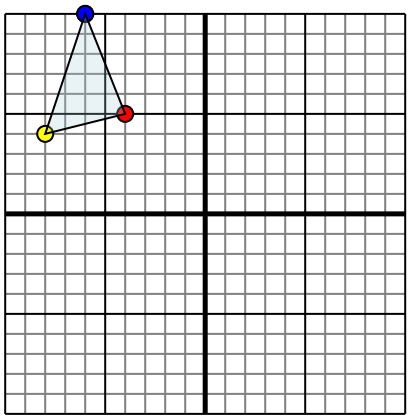
B. (7,0)

C. (9,6)

D. (5,8)

Reflect the shape over the Y axis.

3)



The shape above has the following coordinates:

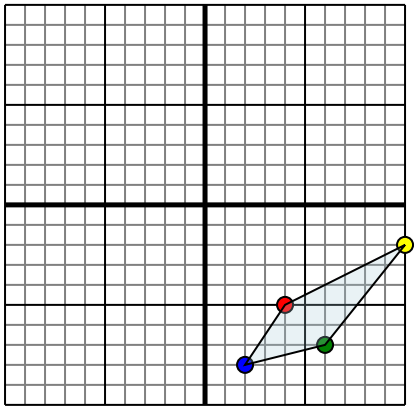
A. (-4,5)

B. (-8,4)

C. (-6,10)

Reflect the shape over the X axis.

4)



The shape above has the following coordinates:

A. (4,-5)

B. (10,-2)

C. (6,-7)

D. (2,-8)

Reflect the shape over the X axis.

Answers

1. ___ ___ ___ ___

2. ___ ___ ___ ___ ___

3. ___ ___ ___ ___

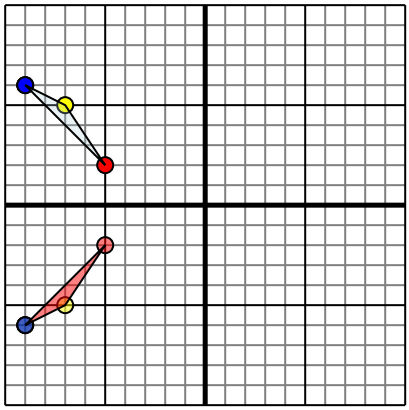
4. ___ ___ ___ ___ ___

1-4	75	50	25	0

Reflecting on a Coordinate Plane Name: **Answer Key**

Reflect each shape as described.

1)



The shape above has the following coordinates:

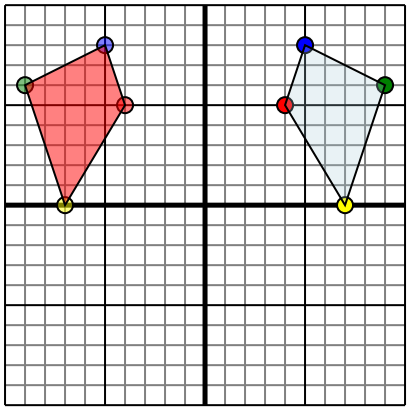
A. (-5,2)

B. (-7,5)

C. (-9,6)

Reflect the shape over the X axis.

2)



The shape above has the following coordinates:

A. (4,5)

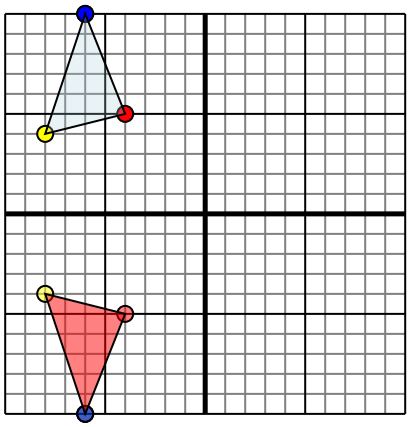
B. (7,0)

C. (9,6)

D. (5,8)

Reflect the shape over the Y axis.

3)



The shape above has the following coordinates:

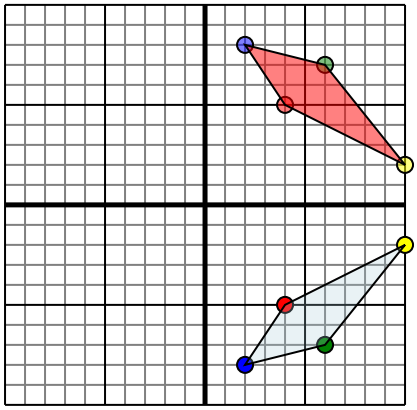
A. (-4,5)

B. (-8,4)

C. (-6,10)

Reflect the shape over the X axis.

4)



The shape above has the following coordinates:

A. (4,-5)

B. (10,-2)

C. (6,-7)

D. (2,-8)

Reflect the shape over the X axis.

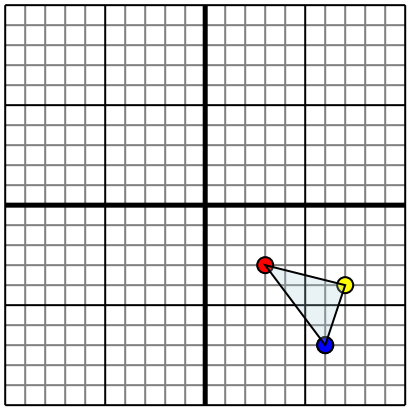
Answers

1. -5,-2 -7,-5 -9,-6 Graph
2. -4,5 -7,0 -9,6 -5,8 Graph
3. -4,-5 -8,-4 -6,-10 Graph
4. 4,5 10,2 6,7 2,8 Graph

1-4	75	50	25	0

Reflect each shape as described.

1)



The shape above has the following coordinates:

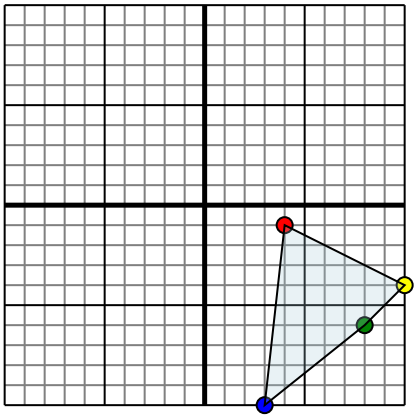
A. (3,-3)

B. (7,-4)

C. (6,-7)

Reflect the shape over the X axis.

2)



The shape above has the following coordinates:

A. (4,-1)

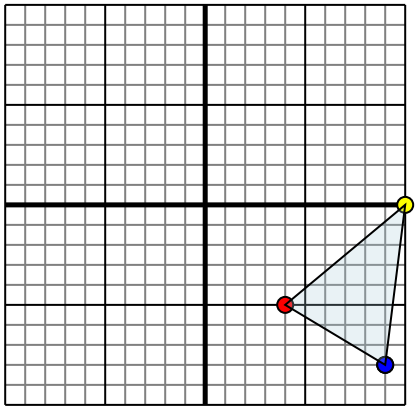
B. (10,-4)

C. (8,-6)

D. (3,-10)

Reflect the shape over the X axis.

3)



The shape above has the following coordinates:

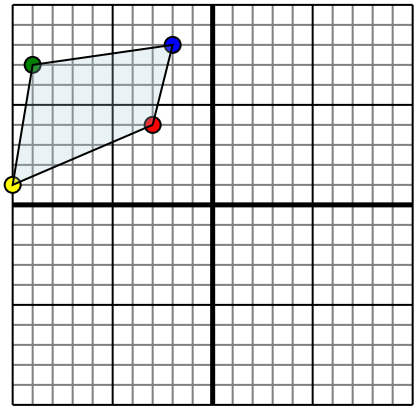
A. (4,-5)

B. (10,0)

C. (9,-8)

Reflect the shape over the Y axis.

4)



The shape above has the following coordinates:

A. (-3,4)

B. (-10,1)

C. (-9,7)

D. (-2,8)

Reflect the shape over the X axis.

Answers

1. ___ ___ ___ ___

2. ___ ___ ___ ___ ___

3. ___ ___ ___ ___

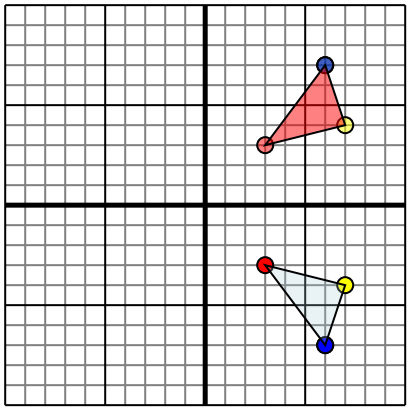
4. ___ ___ ___ ___ ___

1-4	75	50	25	0

Reflecting on a Coordinate Plane Name: **Answer Key**

Reflect each shape as described.

1)



The shape above has the following coordinates:

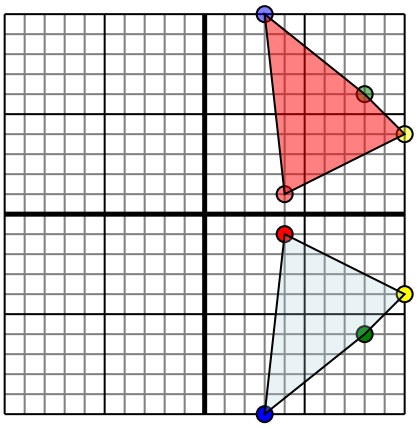
A. (3,-3)

B. (7,-4)

C. (6,-7)

Reflect the shape over the X axis.

2)



The shape above has the following coordinates:

A. (4,-1)

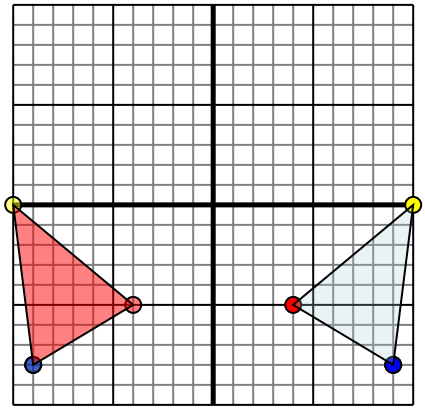
B. (10,-4)

C. (8,-6)

D. (3,-10)

Reflect the shape over the X axis.

3)



The shape above has the following coordinates:

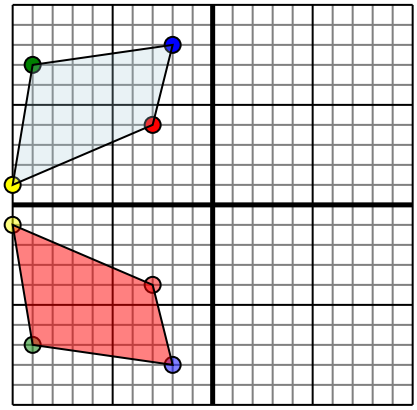
A. (4,-5)

B. (10,0)

C. (9,-8)

Reflect the shape over the Y axis.

4)



The shape above has the following coordinates:

A. (-3,4)

B. (-10,1)

C. (-9,7)

D. (-2,8)

Reflect the shape over the X axis.

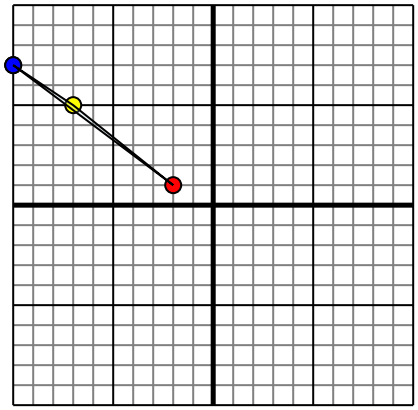
Answers

1. 3,3 7,4 6,7 Graph
2. 4,1 10,4 8,6 3,10 Graph
3. -4,-5 -10,0 -9,-8 Graph
4. -3,-4 -10,-1 -9,-7 -2,-8 Graph

1-4	75	50	25	0

Reflect each shape as described.

1)



The shape above has the following coordinates:

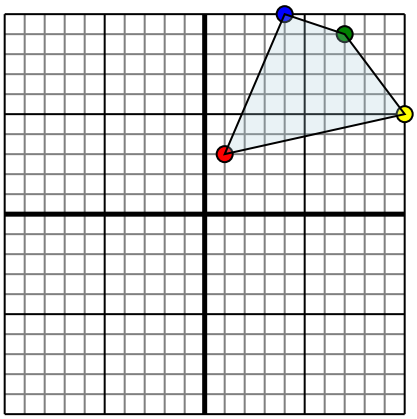
A. (-2,1)

B. (-7,5)

C. (-10,7)

Reflect the shape over the Y axis.

2)



The shape above has the following coordinates:

A. (1,3)

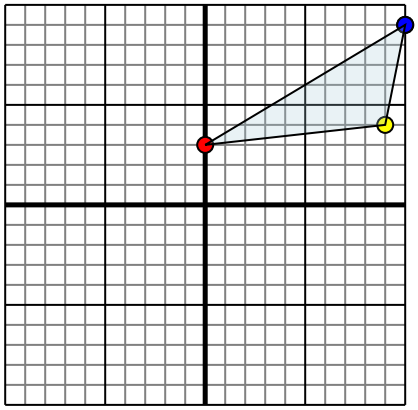
B. (10,5)

C. (7,9)

D. (4,10)

Reflect the shape over the Y axis.

3)



The shape above has the following coordinates:

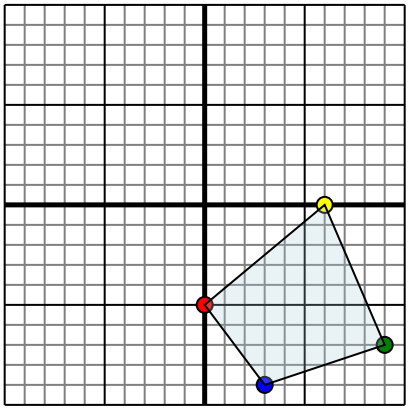
A. (0,3)

B. (9,4)

C. (10,9)

Reflect the shape over the Y axis.

4)



The shape above has the following coordinates:

A. (0,-5)

B. (6,0)

C. (9,-7)

D. (3,-9)

Reflect the shape over the Y axis.

Answers

1. ___ ___ ___ ___

2. ___ ___ ___ ___ ___

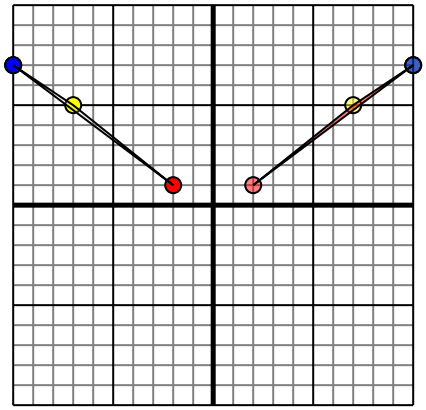
3. ___ ___ ___ ___

4. ___ ___ ___ ___ ___

1-4	75	50	25	0

Reflect each shape as described.

1)



The shape above has the following coordinates:

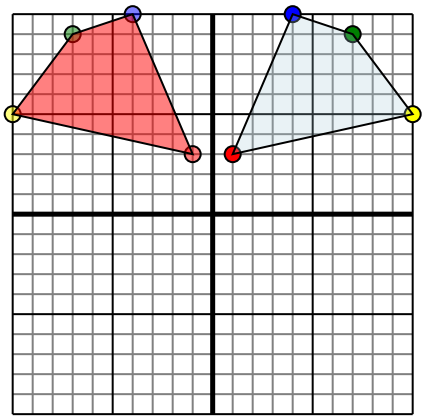
A. (-2,1)

B. (-7,5)

C. (-10,7)

Reflect the shape over the Y axis.

2)



The shape above has the following coordinates:

A. (1,3)

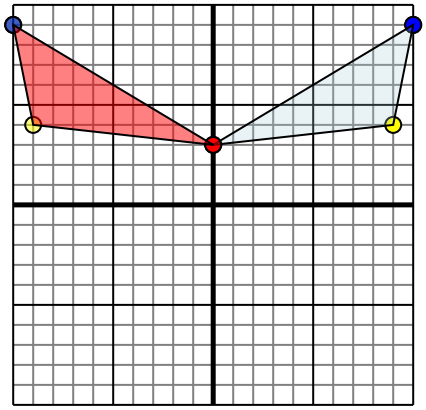
B. (10,5)

C. (7,9)

D. (4,10)

Reflect the shape over the Y axis.

3)



The shape above has the following coordinates:

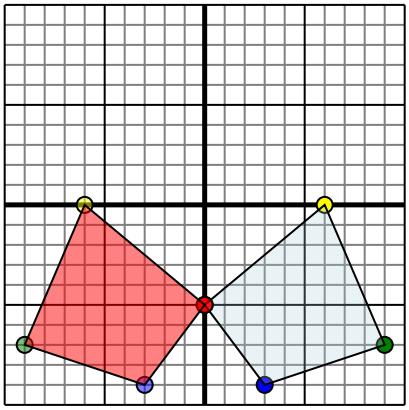
A. (0,3)

B. (9,4)

C. (10,9)

Reflect the shape over the Y axis.

4)



The shape above has the following coordinates:

A. (0,-5)

B. (6,0)

C. (9,-7)

D. (3,-9)

Reflect the shape over the Y axis.

Answers

1. 2,1 7,5 10,7 Graph
2. -1,3 -10,5 -7,9 -4,10 Graph
3. 0,3 -9,4 -10,9 Graph
4. 0,-5 -6,0 -9,-7 -3,-9 Graph

1-4	75	50	25	0