

**Determine if the statement shown is 'true' or 'false'.****Answers**

- 1) A rectangle has only one set of sides that are parallel.
- 2) All rectangles are parallelograms.
- 3) All squares have 4 angles that are 90° .
- 4) All parallelograms are rhombuses.
- 5) All rhombuses are squares.
- 6) All rectangles are squares.
- 7) A rectangle has 4 angles that are 90° .
- 8) A trapezoid has 2 sets of parallel sides.
- 9) All squares and rectangles have 4 sides that are all the same length.
- 10) All rhombuses are quadrilaterals.
- 11) A parallelogram has opposite sides that are parallel.
- 12) All squares are quadrilaterals.

1. _____
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12. _____

Determine if the statement shown is 'true' or 'false'.

Answers

- | | |
|--|-----------------|
| 1) A rectangle has only one set of sides that are parallel. | 1. <u>false</u> |
| 2) All rectangles are parallelograms. | 2. <u>true</u> |
| 3) All squares have 4 angles that are 90° . | 3. <u>true</u> |
| 4) All parallelograms are rhombuses. | 4. <u>false</u> |
| 5) All rhombuses are squares. | 5. <u>false</u> |
| 6) All rectangles are squares. | 6. <u>false</u> |
| 7) A rectangle has 4 angles that are 90° . | 7. <u>true</u> |
| 8) A trapezoid has 2 sets of parallel sides. | 8. <u>false</u> |
| 9) All squares and rectangles have 4 sides that are all the same length. | 9. <u>false</u> |
| 10) All rhombuses are quadrilaterals. | 10. <u>true</u> |
| 11) A parallelogram has opposite sides that are parallel. | 11. <u>true</u> |
| 12) All squares are quadrilaterals. | 12. <u>true</u> |