



Solve each problem.

Answers

1) Which table of values can be defined by the function: $y = 3x \div 3$

| A. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-1</td><td>-4</td></tr><tr><td>0</td><td>3</td></tr><tr><td>1</td><td>10</td></tr><tr><td>4</td><td>31</td></tr></tbody></table> | x | y | -1 | -4 | 0 | 3 | 1 | 10 | 4 | 31 |
|----|---|---|---|----|-----|----|-----|---|----|---|-----|
| x | y | | | | | | | | | | |
| -1 | -4 | | | | | | | | | | |
| 0 | 3 | | | | | | | | | | |
| 1 | 10 | | | | | | | | | | |
| 4 | 31 | | | | | | | | | | |
| B. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-3</td><td>21</td></tr><tr><td>-1</td><td>7</td></tr><tr><td>0</td><td>0</td></tr><tr><td>2</td><td>-14</td></tr></tbody></table> | x | y | -3 | 21 | -1 | 7 | 0 | 0 | 2 | -14 |
| x | y | | | | | | | | | | |
| -3 | 21 | | | | | | | | | | |
| -1 | 7 | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | |
| 2 | -14 | | | | | | | | | | |
| C. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-2</td><td>-42</td></tr><tr><td>-1</td><td>-21</td></tr><tr><td>2</td><td>42</td></tr><tr><td>3</td><td>63</td></tr></tbody></table> | x | y | -2 | -42 | -1 | -21 | 2 | 42 | 3 | 63 |
| x | y | | | | | | | | | | |
| -2 | -42 | | | | | | | | | | |
| -1 | -21 | | | | | | | | | | |
| 2 | 42 | | | | | | | | | | |
| 3 | 63 | | | | | | | | | | |
| D. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-3</td><td>-3</td></tr><tr><td>1</td><td>1</td></tr><tr><td>2</td><td>2</td></tr><tr><td>3</td><td>3</td></tr></tbody></table> | x | y | -3 | -3 | 1 | 1 | 2 | 2 | 3 | 3 |
| x | y | | | | | | | | | | |
| -3 | -3 | | | | | | | | | | |
| 1 | 1 | | | | | | | | | | |
| 2 | 2 | | | | | | | | | | |
| 3 | 3 | | | | | | | | | | |

1. _____

2) Which table of values can be defined by the function: $y = x \times (-4)$

| A. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-4</td><td>-8</td></tr><tr><td>-2</td><td>-6</td></tr><tr><td>2</td><td>-2</td></tr><tr><td>4</td><td>0</td></tr></tbody></table> | x | y | -4 | -8 | -2 | -6 | 2 | -2 | 4 | 0 |
|----|--|---|---|----|-----|----|-----|---|-----|---|-----|
| x | y | | | | | | | | | | |
| -4 | -8 | | | | | | | | | | |
| -2 | -6 | | | | | | | | | | |
| 2 | -2 | | | | | | | | | | |
| 4 | 0 | | | | | | | | | | |
| B. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>1</td><td>-4</td></tr><tr><td>2</td><td>-8</td></tr><tr><td>3</td><td>-12</td></tr><tr><td>4</td><td>-16</td></tr></tbody></table> | x | y | 1 | -4 | 2 | -8 | 3 | -12 | 4 | -16 |
| x | y | | | | | | | | | | |
| 1 | -4 | | | | | | | | | | |
| 2 | -8 | | | | | | | | | | |
| 3 | -12 | | | | | | | | | | |
| 4 | -16 | | | | | | | | | | |
| C. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-4</td><td>-64</td></tr><tr><td>-3</td><td>-48</td></tr><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>16</td></tr></tbody></table> | x | y | -4 | -64 | -3 | -48 | 0 | 0 | 1 | 16 |
| x | y | | | | | | | | | | |
| -4 | -64 | | | | | | | | | | |
| -3 | -48 | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | |
| 1 | 16 | | | | | | | | | | |
| D. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-3</td><td>-3</td></tr><tr><td>1</td><td>1</td></tr><tr><td>2</td><td>2</td></tr><tr><td>3</td><td>3</td></tr></tbody></table> | x | y | -3 | -3 | 1 | 1 | 2 | 2 | 3 | 3 |
| x | y | | | | | | | | | | |
| -3 | -3 | | | | | | | | | | |
| 1 | 1 | | | | | | | | | | |
| 2 | 2 | | | | | | | | | | |
| 3 | 3 | | | | | | | | | | |

2. _____

3. _____

4. _____

5. _____

3) Which table of values can be defined by the function: $y = x - 9$

| A. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-1</td><td>-12</td></tr><tr><td>1</td><td>6</td></tr><tr><td>2</td><td>15</td></tr><tr><td>4</td><td>33</td></tr></tbody></table> | x | y | -1 | -12 | 1 | 6 | 2 | 15 | 4 | 33 |
|----|---|---|---|----|-----|----|-----|----|-----|---|-----|
| x | y | | | | | | | | | | |
| -1 | -12 | | | | | | | | | | |
| 1 | 6 | | | | | | | | | | |
| 2 | 15 | | | | | | | | | | |
| 4 | 33 | | | | | | | | | | |
| B. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-1</td><td>8</td></tr><tr><td>0</td><td>9</td></tr><tr><td>2</td><td>11</td></tr><tr><td>3</td><td>12</td></tr></tbody></table> | x | y | -1 | 8 | 0 | 9 | 2 | 11 | 3 | 12 |
| x | y | | | | | | | | | | |
| -1 | 8 | | | | | | | | | | |
| 0 | 9 | | | | | | | | | | |
| 2 | 11 | | | | | | | | | | |
| 3 | 12 | | | | | | | | | | |
| C. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-4</td><td>-13</td></tr><tr><td>-3</td><td>-12</td></tr><tr><td>-1</td><td>-10</td></tr><tr><td>2</td><td>-7</td></tr></tbody></table> | x | y | -4 | -13 | -3 | -12 | -1 | -10 | 2 | -7 |
| x | y | | | | | | | | | | |
| -4 | -13 | | | | | | | | | | |
| -3 | -12 | | | | | | | | | | |
| -1 | -10 | | | | | | | | | | |
| 2 | -7 | | | | | | | | | | |
| D. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-2</td><td>18</td></tr><tr><td>-1</td><td>9</td></tr><tr><td>0</td><td>0</td></tr><tr><td>2</td><td>-18</td></tr></tbody></table> | x | y | -2 | 18 | -1 | 9 | 0 | 0 | 2 | -18 |
| x | y | | | | | | | | | | |
| -2 | 18 | | | | | | | | | | |
| -1 | 9 | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | |
| 2 | -18 | | | | | | | | | | |

4) Which table of values can be defined by the function: $y = x \times 4$

| A. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-3</td><td>-12</td></tr><tr><td>-1</td><td>-4</td></tr><tr><td>1</td><td>4</td></tr><tr><td>2</td><td>8</td></tr></tbody></table> | x | y | -3 | -12 | -1 | -4 | 1 | 4 | 2 | 8 |
|----|---|---|---|----|-----|----|----|----|----|----|----|
| x | y | | | | | | | | | | |
| -3 | -12 | | | | | | | | | | |
| -1 | -4 | | | | | | | | | | |
| 1 | 4 | | | | | | | | | | |
| 2 | 8 | | | | | | | | | | |
| B. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-3</td><td>-21</td></tr><tr><td>0</td><td>-9</td></tr><tr><td>1</td><td>-5</td></tr><tr><td>2</td><td>-1</td></tr></tbody></table> | x | y | -3 | -21 | 0 | -9 | 1 | -5 | 2 | -1 |
| x | y | | | | | | | | | | |
| -3 | -21 | | | | | | | | | | |
| 0 | -9 | | | | | | | | | | |
| 1 | -5 | | | | | | | | | | |
| 2 | -1 | | | | | | | | | | |
| C. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-4</td><td>16</td></tr><tr><td>-3</td><td>12</td></tr><tr><td>-2</td><td>8</td></tr><tr><td>-1</td><td>4</td></tr></tbody></table> | x | y | -4 | 16 | -3 | 12 | -2 | 8 | -1 | 4 |
| x | y | | | | | | | | | | |
| -4 | 16 | | | | | | | | | | |
| -3 | 12 | | | | | | | | | | |
| -2 | 8 | | | | | | | | | | |
| -1 | 4 | | | | | | | | | | |
| D. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-1</td><td>-5</td></tr><tr><td>1</td><td>-3</td></tr><tr><td>2</td><td>-2</td></tr><tr><td>3</td><td>-1</td></tr></tbody></table> | x | y | -1 | -5 | 1 | -3 | 2 | -2 | 3 | -1 |
| x | y | | | | | | | | | | |
| -1 | -5 | | | | | | | | | | |
| 1 | -3 | | | | | | | | | | |
| 2 | -2 | | | | | | | | | | |
| 3 | -1 | | | | | | | | | | |

5) Which table of values can be defined by the function: $y = 3x \times 5$

| A. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-3</td><td>-45</td></tr><tr><td>-1</td><td>-15</td></tr><tr><td>0</td><td>0</td></tr><tr><td>2</td><td>30</td></tr></tbody></table> | x | y | -3 | -45 | -1 | -15 | 0 | 0 | 2 | 30 |
|----|--|---|---|----|-----|----|-----|----|----|---|----|
| x | y | | | | | | | | | | |
| -3 | -45 | | | | | | | | | | |
| -1 | -15 | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | |
| 2 | 30 | | | | | | | | | | |
| B. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-1</td><td>-4</td></tr><tr><td>1</td><td>-2</td></tr><tr><td>2</td><td>-1</td></tr><tr><td>3</td><td>0</td></tr></tbody></table> | x | y | -1 | -4 | 1 | -2 | 2 | -1 | 3 | 0 |
| x | y | | | | | | | | | | |
| -1 | -4 | | | | | | | | | | |
| 1 | -2 | | | | | | | | | | |
| 2 | -1 | | | | | | | | | | |
| 3 | 0 | | | | | | | | | | |
| C. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>0</td><td>3</td></tr><tr><td>1</td><td>4</td></tr><tr><td>2</td><td>5</td></tr><tr><td>4</td><td>7</td></tr></tbody></table> | x | y | 0 | 3 | 1 | 4 | 2 | 5 | 4 | 7 |
| x | y | | | | | | | | | | |
| 0 | 3 | | | | | | | | | | |
| 1 | 4 | | | | | | | | | | |
| 2 | 5 | | | | | | | | | | |
| 4 | 7 | | | | | | | | | | |
| D. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-4</td><td>-4</td></tr><tr><td>-3</td><td>-3</td></tr><tr><td>-1</td><td>-1</td></tr><tr><td>0</td><td>0</td></tr></tbody></table> | x | y | -4 | -4 | -3 | -3 | -1 | -1 | 0 | 0 |
| x | y | | | | | | | | | | |
| -4 | -4 | | | | | | | | | | |
| -3 | -3 | | | | | | | | | | |
| -1 | -1 | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | |



Solve each problem.

1) Which table of values can be defined by the function: $y = 3x \div 3$

A.

| x | y |
|----|----|
| -1 | -4 |
| 0 | 3 |
| 1 | 10 |
| 4 | 31 |

B.

| x | y |
|----|-----|
| -3 | 21 |
| -1 | 7 |
| 0 | 0 |
| 2 | -14 |

C.

| x | y |
|----|-----|
| -2 | -42 |
| -1 | -21 |
| 2 | 42 |
| 3 | 63 |

D.

| x | y |
|----|----|
| -3 | -3 |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |

2) Which table of values can be defined by the function: $y = x \times (-4)$

A.

| x | y |
|----|----|
| -4 | -8 |
| -2 | -6 |
| 2 | -2 |
| 4 | 0 |

B.

| x | y |
|---|-----|
| 1 | -4 |
| 2 | -8 |
| 3 | -12 |
| 4 | -16 |

C.

| x | y |
|----|-----|
| -4 | -64 |
| -3 | -48 |
| 0 | 0 |
| 1 | 16 |

D.

| x | y |
|----|----|
| -3 | -3 |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |

3) Which table of values can be defined by the function: $y = x - 9$

A.

| x | y |
|----|-----|
| -1 | -12 |
| 1 | 6 |
| 2 | 15 |
| 4 | 33 |

B.

| x | y |
|----|----|
| -1 | 8 |
| 0 | 9 |
| 2 | 11 |
| 3 | 12 |

C.

| x | y |
|----|-----|
| -4 | -13 |
| -3 | -12 |
| -1 | -10 |
| 2 | -7 |

D.

| x | y |
|----|-----|
| -2 | 18 |
| -1 | 9 |
| 0 | 0 |
| 2 | -18 |

4) Which table of values can be defined by the function: $y = x \times 4$

A.

| x | y |
|----|-----|
| -3 | -12 |
| -1 | -4 |
| 1 | 4 |
| 2 | 8 |

B.

| x | y |
|----|-----|
| -3 | -21 |
| 0 | -9 |
| 1 | -5 |
| 2 | -1 |

C.

| x | y |
|----|----|
| -4 | 16 |
| -3 | 12 |
| -2 | 8 |
| -1 | 4 |

D.

| x | y |
|----|----|
| -1 | -5 |
| 1 | -3 |
| 2 | -2 |
| 3 | -1 |

5) Which table of values can be defined by the function: $y = 3x \times 5$

A.

| x | y |
|----|-----|
| -3 | -45 |
| -1 | -15 |
| 0 | 0 |
| 2 | 30 |

B.

| x | y |
|----|----|
| -1 | -4 |
| 1 | -2 |
| 2 | -1 |
| 3 | 0 |

C.

| x | y |
|---|---|
| 0 | 3 |
| 1 | 4 |
| 2 | 5 |
| 4 | 7 |

D.

| x | y |
|----|----|
| -4 | -4 |
| -3 | -3 |
| -1 | -1 |
| 0 | 0 |

Answers

1. **D**

2. **B**

3. **C**

4. **A**

5. **A**