



Solve each problem.

Answers

1) Which table of values can be defined by the function: $y = 8x \times 2$

| A. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-2</td><td>-32</td></tr><tr><td>-1</td><td>-16</td></tr><tr><td>3</td><td>48</td></tr><tr><td>4</td><td>64</td></tr></tbody></table> | x | y | -2 | -32 | -1 | -16 | 3 | 48 | 4 | 64 |
|----|--|---|---|----|-----|----|-----|----|-----|---|-----|
| x | y | | | | | | | | | | |
| -2 | -32 | | | | | | | | | | |
| -1 | -16 | | | | | | | | | | |
| 3 | 48 | | | | | | | | | | |
| 4 | 64 | | | | | | | | | | |
| B. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-3</td><td>-22</td></tr><tr><td>-2</td><td>-14</td></tr><tr><td>-1</td><td>-6</td></tr><tr><td>1</td><td>10</td></tr></tbody></table> | x | y | -3 | -22 | -2 | -14 | -1 | -6 | 1 | 10 |
| x | y | | | | | | | | | | |
| -3 | -22 | | | | | | | | | | |
| -2 | -14 | | | | | | | | | | |
| -1 | -6 | | | | | | | | | | |
| 1 | 10 | | | | | | | | | | |
| C. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-4</td><td>-34</td></tr><tr><td>-3</td><td>-26</td></tr><tr><td>2</td><td>14</td></tr><tr><td>3</td><td>22</td></tr></tbody></table> | x | y | -4 | -34 | -3 | -26 | 2 | 14 | 3 | 22 |
| x | y | | | | | | | | | | |
| -4 | -34 | | | | | | | | | | |
| -3 | -26 | | | | | | | | | | |
| 2 | 14 | | | | | | | | | | |
| 3 | 22 | | | | | | | | | | |
| D. | <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>0</td></tr><tr><td>3</td><td>-24</td></tr><tr><td>4</td><td>-32</td></tr></tbody></table> | x | y | -1 | 8 | 0 | 0 | 3 | -24 | 4 | -32 |
| x | y | | | | | | | | | | |
| -1 | 8 | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | |
| 3 | -24 | | | | | | | | | | |
| 4 | -32 | | | | | | | | | | |

1. _____
2. _____
3. _____
4. _____
5. _____

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

| A. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>0</td><td>5</td></tr><tr><td>1</td><td>6</td></tr><tr><td>2</td><td>7</td></tr><tr><td>3</td><td>8</td></tr></tbody></table> | x | y | 0 | 5 | 1 | 6 | 2 | 7 | 3 | 8 |
|----|---|---|---|----|-----|----|-----|---|----|---|----|
| x | y | | | | | | | | | | |
| 0 | 5 | | | | | | | | | | |
| 1 | 6 | | | | | | | | | | |
| 2 | 7 | | | | | | | | | | |
| 3 | 8 | | | | | | | | | | |
| B. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-2</td><td>-16</td></tr><tr><td>-1</td><td>-11</td></tr><tr><td>0</td><td>-6</td></tr><tr><td>4</td><td>14</td></tr></tbody></table> | x | y | -2 | -16 | -1 | -11 | 0 | -6 | 4 | 14 |
| x | y | | | | | | | | | | |
| -2 | -16 | | | | | | | | | | |
| -1 | -11 | | | | | | | | | | |
| 0 | -6 | | | | | | | | | | |
| 4 | 14 | | | | | | | | | | |
| C. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-2</td><td>-10</td></tr><tr><td>0</td><td>0</td></tr><tr><td>1</td><td>5</td></tr><tr><td>3</td><td>15</td></tr></tbody></table> | x | y | -2 | -10 | 0 | 0 | 1 | 5 | 3 | 15 |
| x | y | | | | | | | | | | |
| -2 | -10 | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | |
| 1 | 5 | | | | | | | | | | |
| 3 | 15 | | | | | | | | | | |
| D. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-4</td><td>-14</td></tr><tr><td>-1</td><td>1</td></tr><tr><td>0</td><td>6</td></tr><tr><td>2</td><td>16</td></tr></tbody></table> | x | y | -4 | -14 | -1 | 1 | 0 | 6 | 2 | 16 |
| x | y | | | | | | | | | | |
| -4 | -14 | | | | | | | | | | |
| -1 | 1 | | | | | | | | | | |
| 0 | 6 | | | | | | | | | | |
| 2 | 16 | | | | | | | | | | |

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>-2</td></tr><tr><td>0</td><td>7</td></tr><tr><td>1</td><td>16</td></tr><tr><td>2</td><td>25</td></tr></tbody></table> | x | y | -1 | -2 | 0 | 7 | 1 | 16 | 2 | 25 |
|----|---|---|---|----|-----|----|-----|----|----|---|----|
| x | y | | | | | | | | | | |
| -1 | -2 | | | | | | | | | | |
| 0 | 7 | | | | | | | | | | |
| 1 | 16 | | | | | | | | | | |
| 2 | 25 | | | | | | | | | | |
| B. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-3</td><td>6</td></tr><tr><td>-2</td><td>7</td></tr><tr><td>-1</td><td>8</td></tr><tr><td>1</td><td>10</td></tr></tbody></table> | x | y | -3 | 6 | -2 | 7 | -1 | 8 | 1 | 10 |
| x | y | | | | | | | | | | |
| -3 | 6 | | | | | | | | | | |
| -2 | 7 | | | | | | | | | | |
| -1 | 8 | | | | | | | | | | |
| 1 | 10 | | | | | | | | | | |
| C. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-3</td><td>-12</td></tr><tr><td>-2</td><td>-11</td></tr><tr><td>1</td><td>-8</td></tr><tr><td>3</td><td>-6</td></tr></tbody></table> | x | y | -3 | -12 | -2 | -11 | 1 | -8 | 3 | -6 |
| x | y | | | | | | | | | | |
| -3 | -12 | | | | | | | | | | |
| -2 | -11 | | | | | | | | | | |
| 1 | -8 | | | | | | | | | | |
| 3 | -6 | | | | | | | | | | |
| 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>1</td><td>-9</td></tr></tbody></table> | x | y | -2 | 18 | -1 | 9 | 0 | 0 | 1 | -9 |
| x | y | | | | | | | | | | |
| -2 | 18 | | | | | | | | | | |
| -1 | 9 | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | |
| 1 | -9 | | | | | | | | | | |

4) Which table of values can be defined by the function: $y = 4x + 6$

| 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>3</td><td>-12</td></tr></tbody></table> | x | y | -3 | 12 | -1 | 4 | 1 | -4 | 3 | -12 |
|----|---|---|---|----|-----|----|-----|---|----|---|-----|
| x | y | | | | | | | | | | |
| -3 | 12 | | | | | | | | | | |
| -1 | 4 | | | | | | | | | | |
| 1 | -4 | | | | | | | | | | |
| 3 | -12 | | | | | | | | | | |
| B. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-2</td><td>-14</td></tr><tr><td>-1</td><td>-10</td></tr><tr><td>1</td><td>-2</td></tr><tr><td>4</td><td>10</td></tr></tbody></table> | x | y | -2 | -14 | -1 | -10 | 1 | -2 | 4 | 10 |
| x | y | | | | | | | | | | |
| -2 | -14 | | | | | | | | | | |
| -1 | -10 | | | | | | | | | | |
| 1 | -2 | | | | | | | | | | |
| 4 | 10 | | | | | | | | | | |
| C. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-3</td><td>-6</td></tr><tr><td>-2</td><td>-2</td></tr><tr><td>0</td><td>6</td></tr><tr><td>1</td><td>10</td></tr></tbody></table> | x | y | -3 | -6 | -2 | -2 | 0 | 6 | 1 | 10 |
| x | y | | | | | | | | | | |
| -3 | -6 | | | | | | | | | | |
| -2 | -2 | | | | | | | | | | |
| 0 | 6 | | | | | | | | | | |
| 1 | 10 | | | | | | | | | | |
| D. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-2</td><td>2</td></tr><tr><td>0</td><td>4</td></tr><tr><td>1</td><td>5</td></tr><tr><td>2</td><td>6</td></tr></tbody></table> | x | y | -2 | 2 | 0 | 4 | 1 | 5 | 2 | 6 |
| x | y | | | | | | | | | | |
| -2 | 2 | | | | | | | | | | |
| 0 | 4 | | | | | | | | | | |
| 1 | 5 | | | | | | | | | | |
| 2 | 6 | | | | | | | | | | |

5) Which table of values can be defined by the function: $y = 6x - 2$

| A. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-2</td><td>-8</td></tr><tr><td>-1</td><td>-7</td></tr><tr><td>1</td><td>-5</td></tr><tr><td>2</td><td>-4</td></tr></tbody></table> | x | y | -2 | -8 | -1 | -7 | 1 | -5 | 2 | -4 |
|----|--|---|---|----|-----|----|-----|----|----|---|-----|
| x | y | | | | | | | | | | |
| -2 | -8 | | | | | | | | | | |
| -1 | -7 | | | | | | | | | | |
| 1 | -5 | | | | | | | | | | |
| 2 | -4 | | | | | | | | | | |
| B. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-3</td><td>-18</td></tr><tr><td>-2</td><td>-12</td></tr><tr><td>-1</td><td>-6</td></tr><tr><td>2</td><td>12</td></tr></tbody></table> | x | y | -3 | -18 | -2 | -12 | -1 | -6 | 2 | 12 |
| x | y | | | | | | | | | | |
| -3 | -18 | | | | | | | | | | |
| -2 | -12 | | | | | | | | | | |
| -1 | -6 | | | | | | | | | | |
| 2 | 12 | | | | | | | | | | |
| C. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-3</td><td>18</td></tr><tr><td>-2</td><td>12</td></tr><tr><td>-1</td><td>6</td></tr><tr><td>3</td><td>-18</td></tr></tbody></table> | x | y | -3 | 18 | -2 | 12 | -1 | 6 | 3 | -18 |
| x | y | | | | | | | | | | |
| -3 | 18 | | | | | | | | | | |
| -2 | 12 | | | | | | | | | | |
| -1 | 6 | | | | | | | | | | |
| 3 | -18 | | | | | | | | | | |
| D. | <table border="1"><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-3</td><td>-20</td></tr><tr><td>0</td><td>-2</td></tr><tr><td>2</td><td>10</td></tr><tr><td>3</td><td>16</td></tr></tbody></table> | x | y | -3 | -20 | 0 | -2 | 2 | 10 | 3 | 16 |
| x | y | | | | | | | | | | |
| -3 | -20 | | | | | | | | | | |
| 0 | -2 | | | | | | | | | | |
| 2 | 10 | | | | | | | | | | |
| 3 | 16 | | | | | | | | | | |



Solve each problem.

1) Which table of values can be defined by the function: $y = 8x \times 2$

A.

| x | y |
|----|-----|
| -2 | -32 |
| -1 | -16 |
| 3 | 48 |
| 4 | 64 |

B.

| x | y |
|----|-----|
| -3 | -22 |
| -2 | -14 |
| -1 | -6 |
| 1 | 10 |

C.

| x | y |
|----|-----|
| -4 | -34 |
| -3 | -26 |
| 2 | 14 |
| 3 | 22 |

D.

| x | y |
|----|-----|
| -1 | 8 |
| 0 | 0 |
| 3 | -24 |
| 4 | -32 |

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

A.

| x | y |
|---|---|
| 0 | 5 |
| 1 | 6 |
| 2 | 7 |
| 3 | 8 |

B.

| x | y |
|----|-----|
| -2 | -16 |
| -1 | -11 |
| 0 | -6 |
| 4 | 14 |

C.

| x | y |
|----|-----|
| -2 | -10 |
| 0 | 0 |
| 1 | 5 |
| 3 | 15 |

D.

| x | y |
|----|-----|
| -4 | -14 |
| -1 | 1 |
| 0 | 6 |
| 2 | 16 |

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

A.

| x | y |
|----|----|
| -1 | -2 |
| 0 | 7 |
| 1 | 16 |
| 2 | 25 |

B.

| x | y |
|----|----|
| -3 | 6 |
| -2 | 7 |
| -1 | 8 |
| 1 | 10 |

C.

| x | y |
|----|-----|
| -3 | -12 |
| -2 | -11 |
| 1 | -8 |
| 3 | -6 |

D.

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

4) Which table of values can be defined by the function: $y = 4x + 6$

A.

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

B.

| x | y |
|----|-----|
| -2 | -14 |
| -1 | -10 |
| 1 | -2 |
| 4 | 10 |

C.

| x | y |
|----|----|
| -3 | -6 |
| -2 | -2 |
| 0 | 6 |
| 1 | 10 |

D.

| x | y |
|----|---|
| -2 | 2 |
| 0 | 4 |
| 1 | 5 |
| 2 | 6 |

5) Which table of values can be defined by the function: $y = 6x - 2$

A.

| x | y |
|----|----|
| -2 | -8 |
| -1 | -7 |
| 1 | -5 |
| 2 | -4 |

B.

| x | y |
|----|-----|
| -3 | -18 |
| -2 | -12 |
| -1 | -6 |
| 2 | 12 |

C.

| x | y |
|----|-----|
| -3 | 18 |
| -2 | 12 |
| -1 | 6 |
| 3 | -18 |

D.

| x | y |
|----|-----|
| -3 | -20 |
| 0 | -2 |
| 2 | 10 |
| 3 | 16 |

Answers1. **A**2. **C**3. **C**4. **C**5. **D**