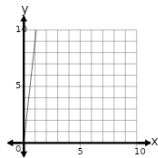




## Write equations of lines in standard form

**1**

Select the equation that would result in the line shown with a slope of 9



A  $y = 12x + 3$

B  $y = -9.000041464527095$

C  $y = 9x$

D  $y = 11x + 3$

**2**

What line equation would create this set of X, Y values?

| X | Y |
|---|---|
| 0 | 4 |
| 1 | 4 |
| 2 | 4 |
| 3 | 4 |

A  $y = \infty$

B  $x = \infty$

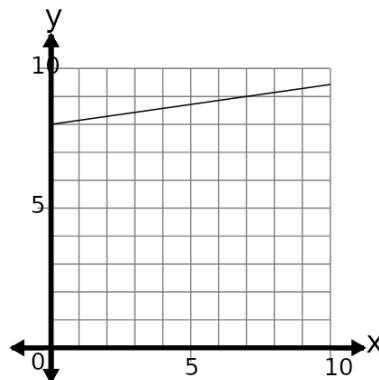
C  $y = 4$

D  $x = 0$

E  $x = 4$

**3**

Select the equation that would result in the line on the graph as shown



A  $y = 1.64x + 8$

B  $y = -1.36x + 9.5$

C  $y = -1.86x + 9.5$

D  $y = 0.14x + 8$

E  $y = -0.14x + 8$

**4**

(2, 2) and (4, 10)

A  $y = 4x + -12$

B  $y = 10x + -18$

C  $y = \frac{5}{2}x + -3$

D  $y = 4x + -6$

E  $y = 7x + -12$

F  $y = \frac{1}{4}x + \frac{3}{2}$

**5**

Find the y intercept of this function by setting x to zero and solving

$$-3x - 1y = -1$$

A 10

B 1

C -3

D 4

E 9

F -5

**6**

Find the x intercept of this function by setting y to zero and solving

$$10x + 5y = -30$$

A -6

B -3

C 1

D -9

E -5

F -8

**Write equations of lines in standard form****7**

Find the y intercept of this function by setting x to zero and solving

$$35x + 7y = 7.7$$

A

1.1

B

1.9

C

2.6

D

4.1

E

-0.4

F

-1.2

**8**

What line equation would be equivalent to this standard form line equation?

$$-1x + 1y = 0$$

A

$$y = 1x$$

B

$$y = -1x$$

C

$$y = \frac{1}{2}x$$

**9**

What line equation would be equivalent to this standard form line equation?

$$0.25x + 1y = 0.25$$

A

$$y = -\frac{1}{4}x + 0.25$$

B

$$y = -4x + 0.25$$

C

$$y = \frac{1}{4}x + 0.25$$

D

$$y = \frac{4}{2}x + 0.25$$

**10**

What slope would this standard form line equation have?

$$9x + 3y = 9$$

A

 $m = -1.5$ 

B

 $m = -3$ 

C

 $m = 3$ 

D

 $m = -0.33$ **11**

What line equation in standard form would be equivalent to this line equation?

$$y = \frac{1}{5}x$$

A

$$0.2x + 1y = 0$$

B

$$-0.2x + 1y = 0$$

C

$$-0.1x + 1y = 0$$

D

$$-5x + 1y = 0$$

**12**

What line equation in standard form would have this slope?

$$m = -1$$

A

$$3x + 3y = 6$$

B

$$1x + 1y = 2$$

C

$$0.5x + 1y = 2$$

D

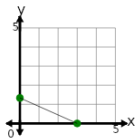
$$-3x + 3y = 6$$



## Write equations of lines in standard form

**13**

What line equation in standard form would create the line on this graph?



- |   |                     |   |                      |
|---|---------------------|---|----------------------|
| A | $0.5x + 3y = 4$     | B | $-0.67x + 2y = 2.67$ |
| C | $0.67x + 2y = 2.67$ | D | $9x + 3y = 4$        |

**14**

What line equation in standard form would be equivalent to this line equation?

$$y = -5x + 5$$

- |   |                 |
|---|-----------------|
| A | $0.2x + 1y = 5$ |
| B | $-5x + 1y = 5$  |
| C | $2.5x + 1y = 5$ |
| D | $5x + 1y = 5$   |

**15**

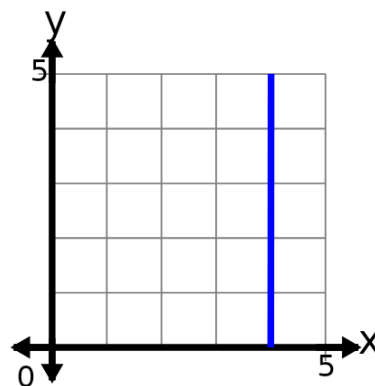
What line equation in standard form would create this set of X, Y values?

| X | Y  |
|---|----|
| 0 | 3  |
| 1 | 2  |
| 2 | 1  |
| 3 | 0  |
| 4 | -1 |

- |   |                 |
|---|-----------------|
| A | $-1x + 1y = 3$  |
| B | $1x + 1y = 3$   |
| C | $0.5x + 1y = 3$ |

**16**

What line equation would create the line on this graph?



- |   |              |   |         |
|---|--------------|---|---------|
| A | $y = \infty$ | B | $x = 4$ |
| C | $x = \infty$ | D | $y = 0$ |
| E | $y = 4$      |   |         |