



## Graph equations in slope-intercept form

**1**

Find the y intercept of this function

$$y = 1x + 8$$

A

2

B

8

C

-2

D

10

E

4

F

5

**2**

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

$$y = -3x + 0.3$$

A

0.3

B

3.3

C

-2

D

1.8

E

-0.5

F

-1.2

**3**

What line equation would have this slope?

$$m = \frac{1}{3}$$

A

$$y = -\frac{1}{3}x + 3$$

B

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

C

$$y = 3x + 3$$

D

$$y = \frac{1}{3}x + 3$$

**4**

What slope would this line equation have?

$$y = -1x + 1$$

A

 $m = -0.5$ 

B

 $m = -1$ 

C

 $m = 1$ **5** $m = 0.5$ 

A

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

B

$$y = 2x + 1$$

C

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

D

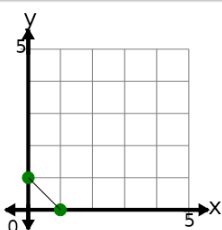
$$y = -\frac{2}{2}x + 1$$

**6**

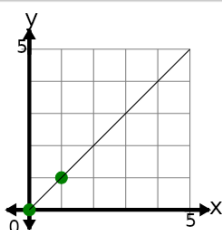
What graphed line shows this line equation?

$$y = 1x$$

A



B

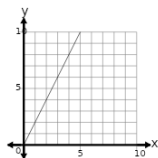




## Graph equations in slope-intercept form

**7**

Select the equation that would result in the line shown with a slope of 2



A  $y = -1.9999999999999998$

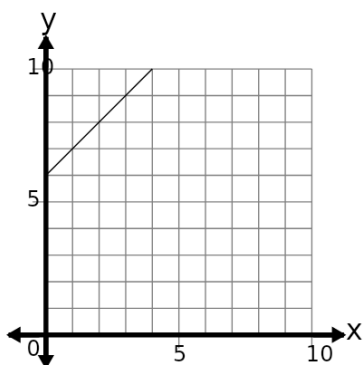
B  $y = 3x$

C  $y = -3$

D  $y = 2x$

**8**

Select the equation that would result in the line shown with a y-intercept of 6 and a slope of 1



A  $y = -1x + 9$

B  $y = 4x + 6$

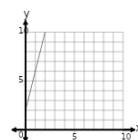
C  $y = 2x + 9$

D  $y = 1x + 6$

E  $y = -6x - 1$

**9**

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



A  $y = 1x - 1$

B  $y = 4x + 2$

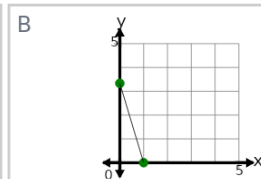
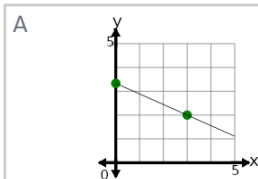
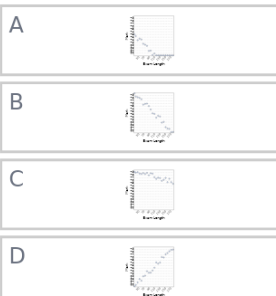
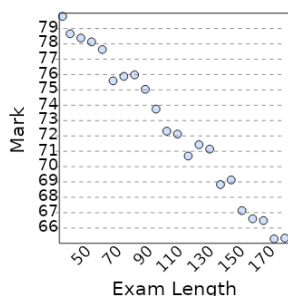
C  $y = 2x - 1$

D  $y = -2x - 4$

**10**

What graphed line shows this line equation?

$$y = -\frac{1}{3}x + 3.33$$

**11**Mark =  $-0.1 \times \text{Exam Length} + 83$ **12**

What graphed line shows this line equation?

$$y = -\frac{1}{3}x + 3.33$$

