

**Write the equation of a perpendicular line****1** $m=1$ 

A  $m=-1$

B  $m=-0.5$

C  $m=1$

**2**

What slope would be PERPENDICULAR to this slope?

$m = -3$

A

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

B

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

C

$m = 3$

D

$m = -\frac{3}{2}$

**3** $m=-1$ 

A

$m = -1$

B

$m = \frac{1}{2}$

C

$m = 1$

**4**

What slope would be PERPENDICULAR to this slope?

$m = -1$

A

$m=-1$

B

$m=0.5$

C

$m=1$

**5**

How would you find the slope of the PERPENDICULAR to segment AB?

Point A : (5,4)

Point B : (8,1)

A

$$\frac{1-4}{8-5}$$

B

$$\frac{-(8-5)}{1-4}$$

**6**

What slope would be PERPENDICULAR to the slope of this line equation?

$y = -1x$

A

$m=1$

B

$m=0.5$

C

$m=-1$

**7**

What slope would be PERPENDICULAR to the slope of this line equation?

$y = -4x + 4$

A

$m=0.13$

B

$m=0.25$

C

$m=4$

D

$m=-0.25$

**Write the equation of a perpendicular line****8**

What slope would be PERPENDICULAR to the slope of this line equation?

$$y = -2x + 2$$

A

$$m = \frac{1}{2}$$

B

$$m = -\frac{1}{2}$$

C

$$m = -\frac{2}{2}$$

D

$$m = 2$$

**9**

What slope would be PERPENDICULAR to the slope of this line equation?

$$6x + 3y = 6$$

A

$$m = -0.5$$

B

$$m = 0.25$$

C

$$m = 0.5$$

D

$$m = 2$$

**10**

What line equation would have a slope that is PERPENDICULAR to this slope?

$$m = 5$$

A

$$y = -5x$$

B

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

C

$$y = \frac{5}{2}x$$

D

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

**11**

What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

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

A

$$y = 3x$$

B

$$y = -3x$$

C

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

D

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

**12**

What line equation would have a slope that is PERPENDICULAR to this slope?

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

A

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

B

$$y = 3x + 3$$

C

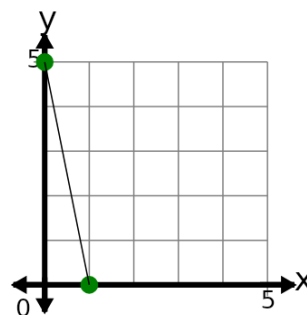
$$y = -3x + 3$$

D

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

**13**

What line equation would have a slope that is PERPENDICULAR to the slope of the line on this graph?



A

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

B

$$y = -\frac{5}{2}x$$

C

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

D

$$y = 5x$$

**Write the equation of a perpendicular line****14**

What line equation in standard form would have a slope that is PERPENDICULAR to the slope of this line equation?

$$y = -2x$$

A

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

B

$$-1.5x + 3y = 3$$

**15**

What line equation in standard form would have a slope that is PERPENDICULAR to the slope of this line equation?

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

A

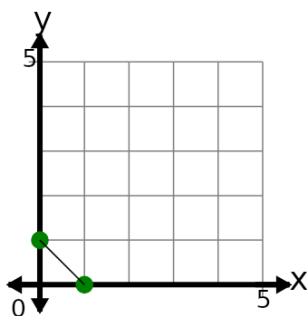
$$10x + 2y = 4.4$$

B

$$0.6x + 3y = 6.6$$

**16**

What line equation would have a slope that is PERPENDICULAR to the slope of the line on this graph?



A

$$y = 1x + 1$$

B

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

C

$$y = -1x + 1$$

**17**

Find the equation for the perpendicular bisector of segment AB

Point A : (5, 2)

Point B : (7, 8)

A

$$y = -\frac{1}{3}x + \frac{23}{3}$$

B

$$y = -\frac{1}{3}x + 7$$

C

$$y = -3x + 23$$

D

$$y = -\frac{1}{8}x + \frac{23}{4}$$