



Determine whether lines are perpendicular using slope

- 1** What slope would be perpendicular to a slope of -1?

$$m = -1$$

A
 $m = 0.5$

B
 $m = -1$

C
 $m = 1$

- 3**
 $m = 1$

A
 $m = -0.5$

B
 $m = 1$

C
 $m = -1$

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

$$y = 1x + 2$$

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

B
 $m = 1$

C
 $m = -1$

- 2** What slope would be PERPENDICULAR to this slope?

$$m = \frac{1}{5}$$

A
 $m = -\frac{1}{5}$

B
 $m = -5$

C
 $m = 5$

D
 $m = -\frac{5}{2}$

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

$$y = -\frac{1}{4}x + 2.25$$

A
 $m = 2$

B
 $m = 4$

C
 $m = 0.25$

D
 $m = -4$

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

Point A : (6,8)

Point B : (7,1)

A
 $\frac{1-8}{7-6}$

B
 $\frac{-(7-6)}{1-8}$



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7

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

$$-1x + 3y = 6$$

A

$$m = -3$$

B

$$m = 3$$

C

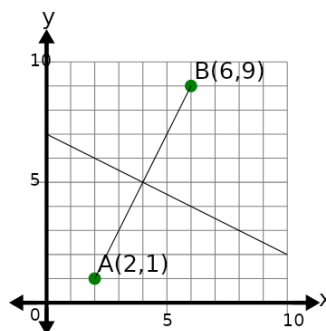
$$m = -\frac{3}{2}$$

D

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

8

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



A

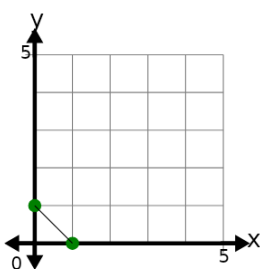
$$\frac{-(6-2)}{9-1}$$

B

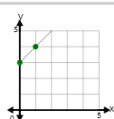
$$\frac{9-1}{6-2}$$

9

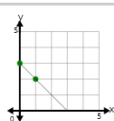
What line has a slope that is PERPENDICULAR to the slope of the line on this graph?



A



B

**10**

Find the slope of the PERPENDICULAR to segment AB

Point A : (4, 10)

Point B : (6, 8)

A

$$-2$$

B

$$\frac{1}{3}$$

C

$$\frac{5}{2}$$

D

$$\frac{1}{2}$$

E

$$3$$

F

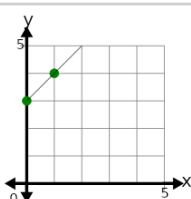
$$1$$

11

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

$$2x + 2y = 8$$

A



B

