



## Determine whether two lines are parallel using their slopes

**1** $m=0.33$ 

A  $m=3$

B  $m=-0.33$

C  $m=0.17$

D  $m=0.33$

**2**

What slope would be PARALLEL to this slope?

$m = 5$

A

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

B

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

C

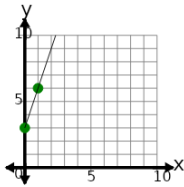
$m = 5$

D

$m = -5$

**3**

What slope would be PARALLEL to the slope of the line on this graph?



A  $m=-3$

B  $m=0.33$

C  $m=3$

D  $m=1.5$

**5**

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

$y = 5x + 1$

A

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

B

$m = -5$

C

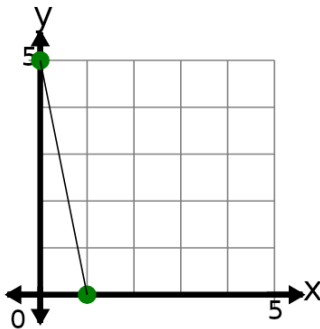
$m = \frac{1}{5}$

D

$m = 5$

**4**

What slope would be PARALLEL to the slope of the line on this graph?



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

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

C  $m = 5$

D  $m = -5$



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**6**

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

$$-6x + 3y = 9$$

A

$$m = 2$$

B

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

C

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

D

$$m = -2$$

**7**

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

$$y = 1x$$

A

$$y = 1x$$

B

$$y = -1x$$

C

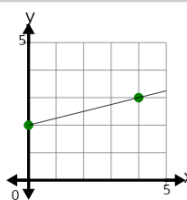
$$y = \frac{1}{2}x$$

**8**

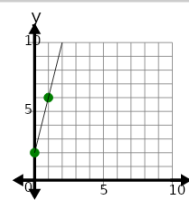
What line has a slope that is PARALLEL to the slope of this line equation?

$$-0.75x + 3y = 6$$

A



B

**9**

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

$$m = \frac{1}{4}$$

A

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

B

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

C

$$y = 4x + 1$$

D

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

**10**

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

$$y = -5x$$

A

$$15x + 3y = 15$$

B

$$-10x + 2y = 10$$

**11**

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

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

A

$$-10x + 2y = 2$$

B

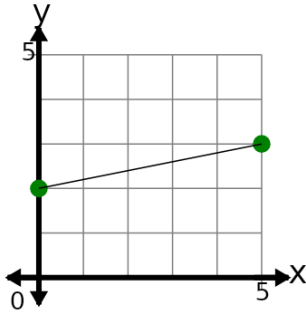
$$-0.2x + 1y = 1$$



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**12**

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



A

$$y = \frac{1}{5}x + 2$$

B

$$y = 5x + 2$$

C

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

D

$$y = -\frac{1}{5}x + 2$$

**13**

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

$$y = -\frac{1}{2}x + 3.5$$

A

$$y = -\frac{1}{2}x + 3.5$$

B

$$y = \frac{2}{2}x + 3.5$$

C

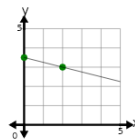
$$y = -2x + 3.5$$

D

$$y = \frac{1}{2}x + 3.5$$

**14**

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



A

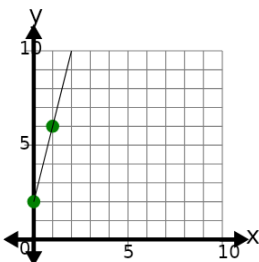
$$0.5x + 1y = 3.5$$

B

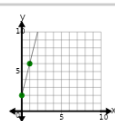
$$6x + 3y = 10.5$$

**15**

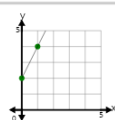
What line has a slope that is PARALLEL to the slope of the line on this graph?



A



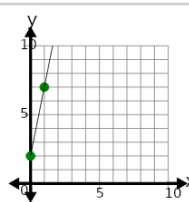
B

**16**

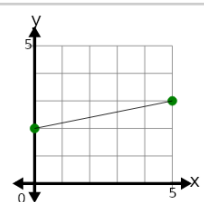
What line has a slope that is PARALLEL to the slope of this line equation?

$$y = 5x$$

A



B





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**17**

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

$$1x + 1y = 1$$

A

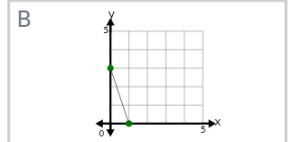
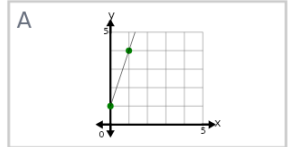
$$y = \frac{1}{2}x + 1$$

B

$$y = 1x + 1$$

C

$$y = -1x + 1$$

**18** $m=3$ **19**

What does this pair of linear equations tell you about the two lines?

$$2x + y = 4$$

$$4x + 2y = 8$$

A The lines are parallel

B The lines are the same line

C The lines cross at one point

**20**

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

$$1x + 3y = 1$$

A

$$-0.67x + 2y = 0.67$$

B

$$1x + 3y = 1$$