All About Lines

Slopes Orientation Standard Form Slope-Intercept Stupid Questions







GameBoard

Full Screen

Slopes for 100.

- Find slope of y = 3x 1

 - 1/3

 - 3

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Slopes for 200.

- Find slope of x = 3
 - 3
 - 0
 - 1
 - undefined
 - y





Slopes for 300.

Find slope of
$$2x + y = 12$$

- 12

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$$-3/-5$$

-5/3

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Orientation for 100.

The lines x = 5 and y = 3 are

- parallel
- neither
 - perpendicular





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parallel

perpendicular

neither

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- neither
- perpendicular
- parallel

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Full Screen

The lines x - 2y = -2 and 2x + y = -3 are

- parallel
- neither
- perpendicular





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Standard Form for 100.

Write y = -4x + 2 in standard form

$$4x - y = 2$$

$$4x + y = 2$$

$$f(x) = -4x + 2$$

$$4x + 2 = y$$













Standard Form for 200.

Write y = 1/3x - 5 in standard form

$$1/3x + y = 5$$

$$x - 3y = 15$$

$$-x + 3y = -15$$

$$x - 3y = 5$$





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Write equation of line passing through (2,4) and (6,8) in standard form

$$y = x + 2$$

y-4=1(x-2)

$$x - y = -2$$

$$y = x + 2$$

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Standard Form for 400.

Write equation of line passing through (0,3) and (5,3)in standard form

$$x = 3$$

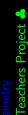
$$y = 3$$

$$x + y = 3$$

$$x - y = 3$$







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Slope-Intercept for 100.

Find the equation of a line, in slope-intercept form, given $m=2\,$ and $\,b=6\,$

$$y = 6x + 2$$

$$y = 2x - 6$$

$$y = 2x + 6$$

$$-2x + y = 6$$

$$2x - y = -6$$











Slope-Intercept for 200.

Find the equation of a line with slope m=3 and passing through the point (1,5)

$$y - 5 = 3(x - 1)$$

$$y = 3x - 8$$

$$y = 3x + 8$$

$$y = 3x + 2$$

$$-3x + y = 2$$











Full Screen

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Quit

Find the equation of a line passing through the points (3,-1) and (4, -4)

$$y = -3x + 8$$

$$y = 3x + 8$$

$$y = 3x - 16$$

$$y + 4 = -3x + 12$$

$$y = -3x + 12$$

Slope-Intercept for 400.

Find the equation of a line passing through the points (7, 2) and (7, -3)

$$y = 7$$

$$y = 0x + 7$$

$$y = -5x + 3$$

$$x = 0$$

x = 7







Full Screen

Stupid Questions for 100.

What is the variable used to identify slope?

s

m

...

 \boldsymbol{x}





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All vertical lines have what type of slope?

positive

negative

zero

undefined



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Stupid Questions for 300.

Rene Descartes is responsible for?

Creating math

coining the term "algebra"

creating the first math book

integrating algebra and geometry







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Stupid Questions for 400.

The point (0,0) is also called?

the x-axis

the y-axis

the origin

nothing





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