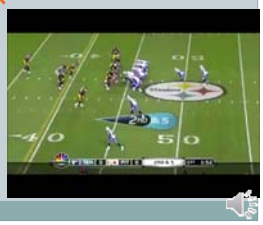
MasterMath

Algebra

GRAPHING LINEAR EQUATIONS IN SLOPE-INTERCEPT FORM

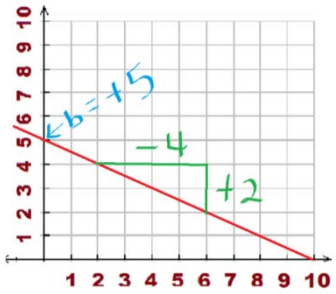


$y = mx + b$

slope

y intercept

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



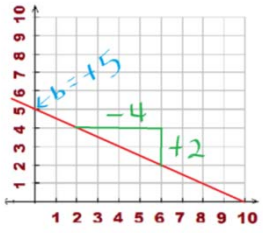
Graphing Linear Equations in Slop

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

$y = mx + b$

slope

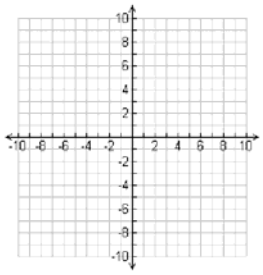
y intercept



x	1	2	3	4	5	6
y = -1/2 x + 5	4 1/2	4	3.5	3	2.5	2

Graphing Linear Equations in Slop

y = 2x - 3



y = mx + b

slope

y intercept

Graphing Linear Equations in Slop

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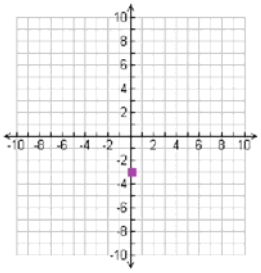

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Graphing Linear Equations in Slop

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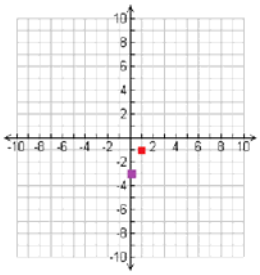

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Graphing Linear Equations in Slop

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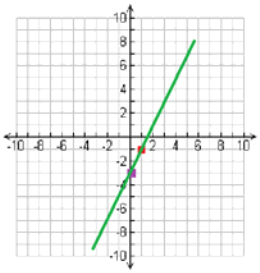


y = mx + b

slope

y intercept

Graphing Linear Equations in Slop

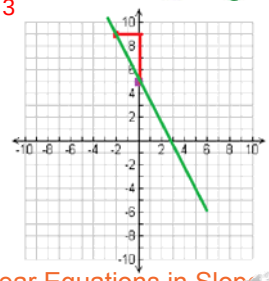
6x + 3y = 15

6x -6x + 3y = 15 - 6x
3y ÷ 3 = (15 – 6X) ÷ 3
y = 5 – 2x
y = -2x + 5

y = mx + b

slope

orcept



Graphing Linear Equations in Slop

You try it!

Graph y = 2x + 4

Graphing Linear Equations in Slop

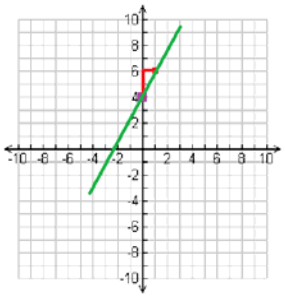
You try it!

$y = mx + b$

slope

y intercept

Graph $y = 2x + 4$



Graphing Linear Equations in Slope-I

You try it!

Graph $2x - y = 12$

Graphing Linear Equations in Slope-I

You try it!

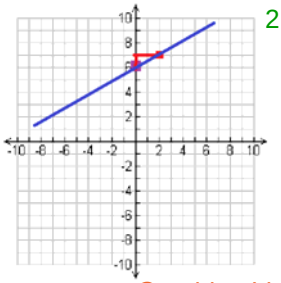
Graph $2y - x = 12$

$2y - x + x = 12 + x$

$2y \div 2 = (12 + x) \div 2$

$y = 6 + 1/2x$

$y = 1/2x + 6$



Graphing Linear Equations in Slope-I