4.3 Equations of Lines: Part I

Complete Pg. 213 2 c
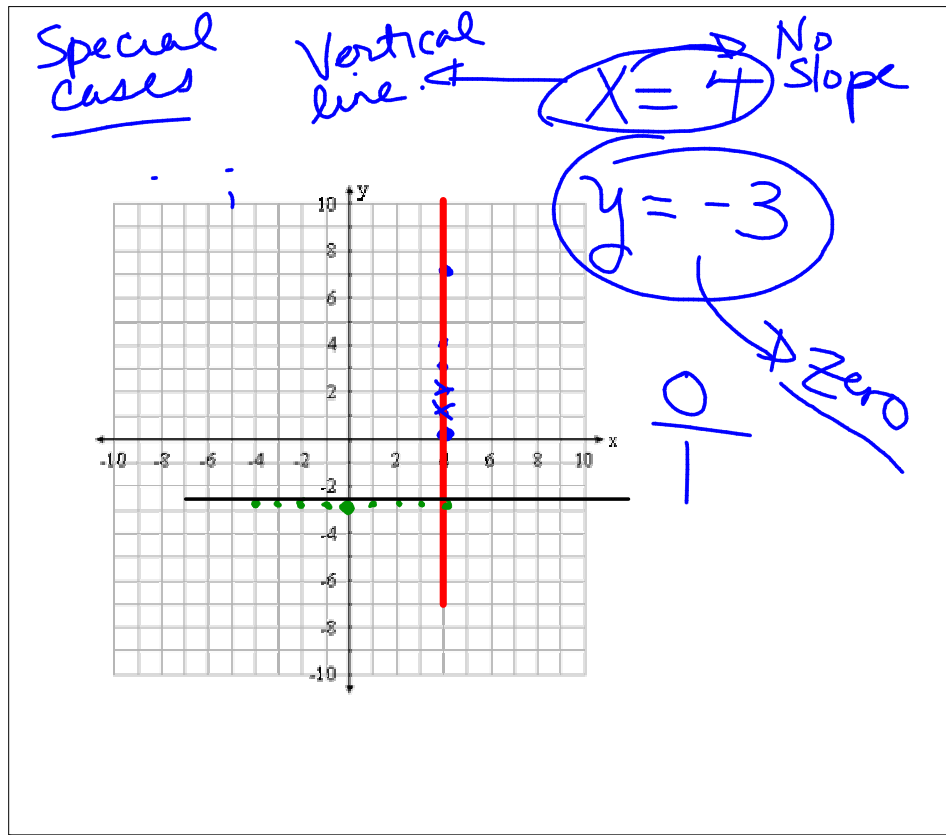
Use following applet to discuss m and b

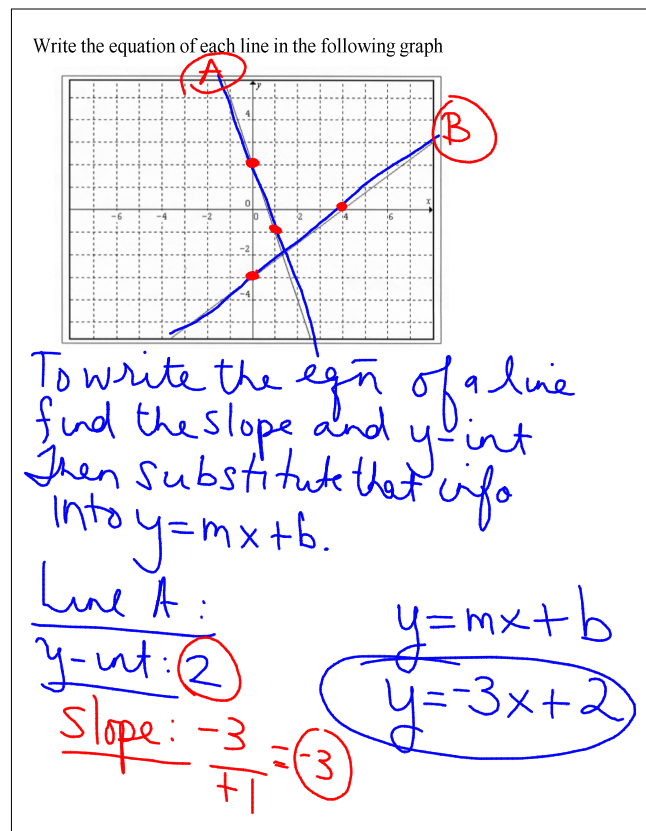 http://www.ronblond.com/M10/lineAP/index.html

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Graph the equation y = 2x - 5

Graph $y = \dfrac{-2}{3}x + 1$

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Special cases   Vertical line ←   No Slope

$X = 4$

$y = -3$

→ Zero

$\dfrac{0}{1}$

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Write the equation of each line in the following graph

A   B

To write the eqn of a line find the slope and y-int Then substitute that info into $y = mx + b$.

Line A:

y-int: (2)

Slope: $\dfrac{-3}{+1} = (-3)$

$y = mx + b$

$y = -3x + 2$

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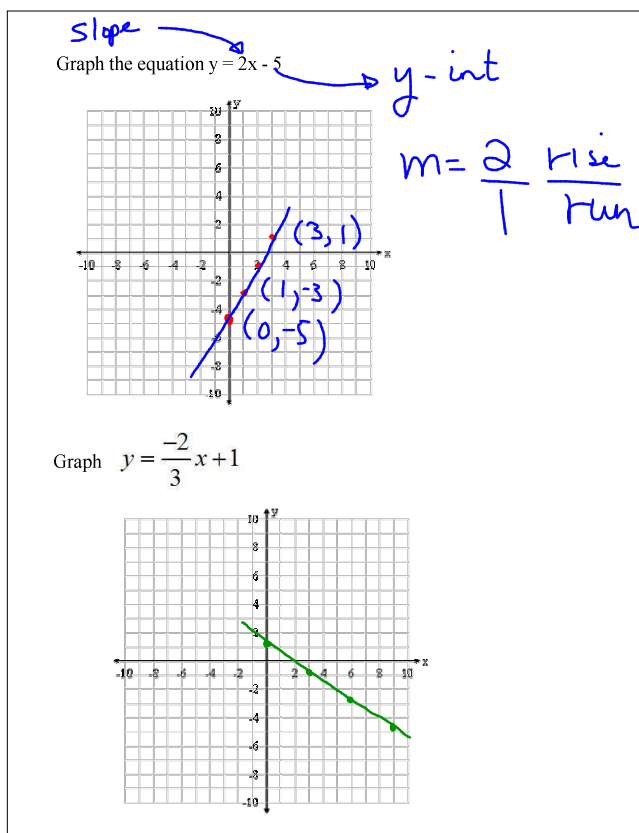
Line B

y-int: -3

Slope: $\dfrac{3}{4}$

$$y = \dfrac{3}{4}x - 3$$

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Pg. 217
2-4 odds
5a odds (graphs)
10, 11

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