Algebra 1 Bellwork Friday, January 15, 2016

1. Find the x and y intercepts of each line.

a) $8x - 12y = 48$

$x - int =$

$y - int =$

b) $4x + 6y = 36$

$x - int =$

$y - int =$

c) $x + y = 20$

$x - int =$

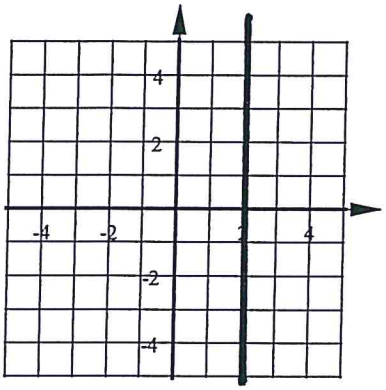
$y - int =$

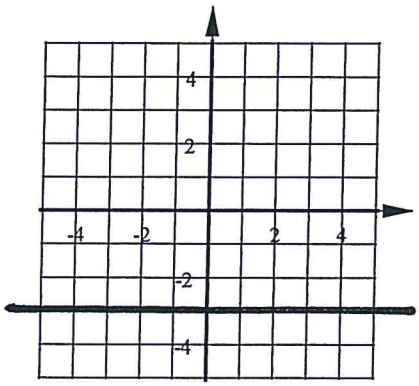
2. Is the line connecting each pair of points Horizontal, Vertical, or Neither?

a) $(4,7)\&(-3,7)$ b) $(5,-6)\&(2,5)$ c) $(-1,13)\&(-1,8)$

3. Find the slope of the line in each graph.

a) b_





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Answers

1. Find the x and y intercepts of each line.

a) $8x - 12y = 48$

$x - int = \frac{48}{8} = 6$

$y - int = \frac{48}{-12} = -4$

b) $4x + 6y = 36$

$x - int = \frac{36}{4} = 9$

$y - int = \frac{36}{6} = 6$

c) $x + y = 20$

$x - int = \frac{20}{1} = 20$

$y - int = \frac{20}{1} = 20$

2. Is the line connecting each pair of points Horizontal, Vertical, or Neither?

a) $(4,7)\&(-3,7)$ Horizontal

$m = \frac{0}{x-x}$

$m = 0$

b) $(5,-6)\&(2,5)$ Neither

m is not 0 or undefined

c) $(-1,13)\&(-1,8)$ VERTICAL

$m = \frac{y-y}{0}$

m is undefined

3. Find the slope of the line in each graph.

a) $m =$ undefined b_ $m = 0$