Bellwork Alg 2A Wednesday, October 19, 2016

1. Given this equation: $y = \frac{2}{7}x - 13$

a. Write the equation of the line that is Parallel to this line and passes through the point (-9,11).

b. Write the equation of the line that is Perpendicular to this line and passes through the point (6,-1).

2. Given this equation: x = 4

a. Write the equation of the line that is Parallel to this line and passes through the point (-3,5).

b. Write the equation of the line that is Perpendicular to this line and passes through the point (16,-23).

3. Determine if each pair of lines is Parallel, Perpendicular, or Neither.

a. $y = 1.6x + 3$	b. $y = 7x - 1$	c. $y = 3x$
y = -0.625x + 3	7x + y = 11	18x - 6y = 4
d. $24x - 8y = 72$	e. $x = 7$	f. $y = 4x + 20$
y - 6 = 3(x - 5)	y = 1	2x - 8y = 32

4. Write the equation of each line.

- a) The line has a slope of zero and passes through the point (-6, 14).
- b) The line passes through the points (4,1) & (8,-6).
- c) The line passes through the points (-3, 8) & (-3, 10)

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$$An \leq w \leq r \leq 1$$

1. Given this equation: $y = \frac{1}{2}x - 13$
a. Write the equation of the line that is [Parallel] to this line and passes through the point (-0, 11).
 $w = \frac{1}{2}x + \frac{9}{2}x + \frac$