Quiz 5.16.14 A

Friday, May 16, 2014

Boss Mathematician _____

Period _____

1) **Simplify** $3(-2x + 5) - 4(3x - 5)$

2) **Solve** $3x + 7 = 5x - 3$

3) **Identify the slope and y-intercept of the linear equation**

$-3x + 5y = -20$

4) **Solve** $\frac{2}{5}x - 4 = \frac{2}{3}$

5) **Candy Shop:** Charlie went to the chocolate factory and purchased gobstoppers and gummy bears. He purchased 14 items and spent $11.25. If each gobstopper costs $1 and a bag of gummy bears costs 75 cents, how many of each candy did Charlie buy?

6) Graph the system of inequalities

$y \geq -4x + 3$

$y < \frac{2}{3}x - 2$