

Quiz 5.16.14 B

Friday, May 16, 2014

Boss Mathematician _____

Period _____

1) **Simplify** $2(-3x + 5) - 3(4x - 6)$

2) **Solve** $5x + 7 = 3x - 9$

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

$$-5x + 3y = -12$$

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

- 5) **Candy Shop:** Charlie went to the chocolate factory and purchased gobstoppers and gummy bears. He purchased 12 items and spent \$9.75. 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

$$y > -2x - 1$$

$$y \leq \frac{3}{5}x + 2$$

