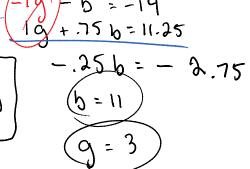
Key

Friday, May 16, 2014

Period _____

- 1) Simplify 3(-2x+5)-4(3x-5) -6x+15-12x+20-18x+35
- 2) Solve 3x + 7 = 5x 3 -5x -2x + 7 = -3 -2x = -(0) x = 5
- 3) Identify the slope and y-intercept of the linear equation -3x + 5y = -20 5y = 3x 20 $y = \frac{3}{5}x 4$
- 4) Solve $\frac{2}{5}x 4 = \frac{2}{3}$ $\frac{2}{5}x = \frac{2}{3} + \frac{4 \cdot 3}{7 \cdot 3}$ $\frac{2}{5}x = \frac{2}{3} + \frac{12}{3}$ $\frac{2}{5}x = \frac{19}{3} \left(\frac{5}{3}\right)$ $\frac{2}{5}x = \frac{19}{3} \left(\frac{5}{3}\right)$ $\frac{2}{5}x = \frac{19}{3} \left(\frac{5}{3}\right)$
- 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
- $y \ge -4x + 3$ $y < \frac{2}{3}x - 2$

