Bellwork Monday, April 7, 2014

1. Without graphing tell if each system of equations has ONE, NONE, or MANY solutions.

a)
$$y = -2x - 9$$

10x - 5y = 45 - 10x -3x + y = 7 + 3x y = 7 + 3x y = 7 + 3x

b)
$$y = -3x$$

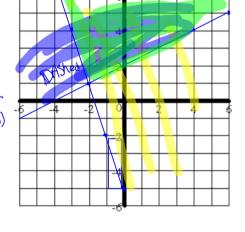
$$-3x + y = 7 + 3x$$

$$-3x + y = 7 + 3x$$

3. Graph this system of inequalities. Shade the

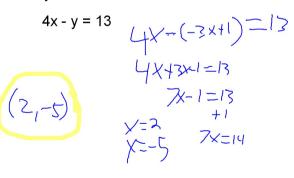
solution region a different color.

$$y > -3x - 5$$



b)

y = -3x + 1



2. Solve each system of equations.

$$2x + 2y = 32$$

$$-5x + 6y = -25$$

$$2x + 2y = 32$$

 $-5x + 6y = -25$
 $6x + 6y = -96$
 $-5x + 6y = -26$

4. At at basketball game one of the players makes 12 shots. He only takes 2pt shots and 3pt shots. The player scored a total of 29 points. Write and solve a system of equations to find the number of 2pt and 3pt shots made.

