5.5 practice A

Write the equation in standard from with integer coefficients.

1.
$$x - y - 9 = 0$$

2.
$$x = y$$

3.
$$y = -11x - 4$$

4.
$$-4y + 6x = -7$$
 5. $x - 4 = 0$

5.
$$x - 4 = 0$$

6.
$$1.2x = 3.2y + 5.1$$

7.
$$y + \frac{1}{3}x = 1$$

$$8. y = \frac{1}{2}x + \frac{3}{2}$$

Write the standard form of the equation of the line that passes through the given point and has the given slope. (hint: Write in SI form first, then rearrange to standard form)

9.
$$(0, 4), m = 1$$

10.
$$(6, -8)$$
, $m = 1/3$

Write the standard form of the equation of the line that passes through the given points. (hint: Write in SI form first, then rearrange to standard form)

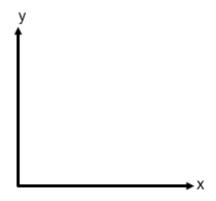
13. You are running for class president. You have \$30 to spend on publicity. It costs \$2 to make a campaign button and \$1 to make a poster. Write an equation that represents the different numbers of buttons, x, and posters, y, you could make.

STP: Let
$$x = y = y = y$$

Equation:

14. You are in charge of buying the hamburger and boned chicken for a party. You have \$60 to spend. The hamburger costs \$2 a pound and boned chicken is \$3 per pound.

- a) Write an equation that represents the different amounts of hamburger, x, and chicken, y, that you can buy.
- b) Graph the equation. (you can graph by table or with slope-intercept form)



c) Complete the table.

Hamburger (lb), x	0	6	12	18	30
Chicken (lb), y					