## 5.5 practice A

Name $\qquad$ Hr $\qquad$
Write the equation in standard from with integer coefficients.

1. $\mathrm{x}-\mathrm{y}-9=0$
2. $x=y$
3. $y=-11 x-4$
4. $-4 y+6 x=-7$
5. $x-4=0$
6. $1.2 \mathrm{x}=3.2 \mathrm{y}+5.1$
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. $(6,-8), \mathrm{m}=1 / 3$

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)
11. $(3,19) \&(-2,-11)$
12. $(-6,6) \&(3,3)$
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: $\quad$| Let $x$ | $=$ |
| ---: | :--- |
| $y$ | $=$ |

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 |  |  |  |  |  |

