3.3 Literal Equations (Day 1 HW)   Name _____ Date _____

Convert between degrees Fahrenheit and degrees Celsius using the literal equation given. If necessary, round the answer to the nearest <u>hundredth</u>.

$$C = \frac{5}{9}(F - 32)$$

1. 72°F

2. -11°F

3. 25°C

4. -3.4°C

Convert each equation from standard form to slope-intercept form. (y = mx + b)   Then identify the slope and y-intercept.

5. 4x + 6y = 48

6. 3x – 5y = 25

7. –x – 8y = 96

Convert each equation from slope-intercept form to standard form. (Ax + By = C) Then identify the x- and y-intercepts. Get rid of the fractions!

8. $y = 5x + 8$

9. $y = -4x + 2$

10. $y = -\frac{1}{2}x - 3$