Warm Up:
1. $3x = 18$
2. $9x = 45$
3. $6x = 15$
4. $x = \frac{4}{3}$

ACT Question:
A number is a multiple of both 4 and 9. Which of the following is NOT a possible value of the number?
A.) -540  B.) -324  C.) 126  D.) 144  E.) 360

2.2 Solving Two-Step Equations

Learning Goal: IWBAT solve two-step equations in one variable.

Steps to solve a two-step Equation:
1. Add or subtract.
2. Multiply or divide.

Examples 1 and 2:
Solve each equation.
Examples 3 and 4:
Solve each equation.

Example 5:
You are making a bulletin board to advertise community service opportunities in your town. You plan to use half a sheet of construction paper for each ad. You need 5 sheets of construction paper for a title banner. You have 18 sheets of construction paper. How many ads can you make?

Examples 5-8: (with your shoulder buddy)
Solve each equation.

Examples 6 and 7:
Solve each equation.
Examples 8 and 9: (with your shoulder buddy)
Solve each equation.

Example 10:
In the triangle, the measure of angle A equals the measure of angle B. Find the value of x.

Summary
If you were given the problem
$30 - 5x = -70$
How you would you solve it? Describe why you would do each step