Name:

Date: \_\_\_\_\_

**Translate & Solve** 

Class: \_\_\_\_\_

**Warm-Up:** Solve and justify/check the following equations.

1. 
$$4x + 6 = 14$$

Justify:

**2.** 
$$-p+7=-13$$

Check:

3. 
$$9 = \frac{r}{-3} + 4$$

Justify:

4. 
$$-\frac{4}{3}n - \frac{2}{3} = \frac{5}{6}$$

Check:

**5.** 
$$2.5x + 3.9x - 7 = 23.8$$

Justify:

Vocabulary:			
Variable:	 	 	
Coefficient:			
Expression:			
Equation:			

## Keys to Success:

- 1. Define your variable.
- 2. Write an expression for each side of the equation.
- 3. Solve your equation.
- 4. Check your solution
- 5. Make sure you have answered the question(s).

**Example 1:** Two times a number decreased by three is five.

Try Its:	Translate	and solv	e the foll	owing.

a) The sum of twice a number and nine is forty-three.

**b)** Eight less than one-half a number is two.

**Example 2:** A baseball bat and 8 baseballs cost \$163.25. The bat costs \$106.45.

What is the cost of one baseball?

