

Name: \_\_\_\_\_ Per: \_\_\_\_\_

## Homework #11

**Due: Tuesday January 23**

- Translate the following statements into algebraic notation.
  - The sum of a number  $n$  and 5
  - 4 more than a number  $n$
  - 13 less than a number  $n$
  - A number  $n$  subtracted from 5
  - A number  $n$  increased by 8
  - A number  $n$  decreased by 8
  - Twice the number  $n$
  - The sum of 4 times a number  $n$  and 7
  - The product of  $n$  and  $m$
  - A number  $n$  divided by 5
  - 8 less than 3 times a number is not equal to the sum of 4 times the number and 7

- Underline the terms of the following expressions and equations.

a.  $5x + x^2 + 7$

b.  $\frac{x}{2} = x^2 - 9$

c.  $x + 2x^2 + 7 \leq 9x + 8$

- Highlight the coefficients in the following expressions.

a.  $5x + x^2 + 7$

b.  $\frac{x}{2} = x^2 - 9$

c.  $x + 2x^2 + 7 \leq 9x + 8$

- Circle the constants in the following expressions.

a.  $5x + x^2 + 7$

b.  $\frac{x}{2} = x^2 - 9$

c.  $x + 2x^2 + 7 \leq 9x + 8$