

Warm-up:

1. Evaluate. (*without using a calculator*)

a)  $(-3x^2)^0$     b)  $-3(x^2)^0$     c)  $\frac{25}{-49} \times \left(\frac{-12}{-11}\right) \times \frac{33}{20} \times \frac{14}{9}$     d)  $\frac{(3^2)^3}{(3)^3(3)}$

2. Simplify  $\frac{(-2x^3yz^{-2})^3}{(4xy)(x^4y^2z^{-9})}$

## ***Evaluating Algebraic Expressions and Formulas***

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

(Every lesson)

Ex. 1: Determine the value of  $2x^2 - y$ , if  $x = -2$  and  $y = -3$ .

Ex. 2: The area of a circle is found using the formula  $A = \pi r^2$ .  
Determine the area of a circle with radius of 4.3 m.  
(Round your final answer to 3 decimal places.)