Warm-up:

1. Evaluate. (without using a calculator)

a)
$$(-3x^2)^0$$

b)
$$-3(x^2)^0$$

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

d)
$$\frac{(3^2)^3}{(3)^3(3)}$$

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

Evaluating Algebraic Expressions and Formulas

(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.)

Homework Practice p. 536 #1ac, 2bd, 3ad Bring Graph Paper for tomorrow's class.