Objective: To use order of operations to evaluate expressions. To use formulas. What is the order of operations? To use formulas.

I. Simplify.

Ex 1)
$$(2(10-4)^2+3)\div 5$$

 $(2\cdot6^2+3)\div 5$
 $(2\cdot3_4+3)\div 5$
 $(72+3)\div 5$

Ex 2)
$$(384 - 3(7 - 2)^3) \div 3$$

 $(384 - 3 \cdot 5^3) \div 3$
 $(384 - 3 \cdot 125) \div 3$
 $(384 - 375) \div 3$
 $9 \div 3$

| II. Evaluate | Ex 3) s - t(t² - t) if s = 2 and t = 3.4. | 2 - 3.4(816) | 2 - 3.4(11.56 - 3.4) | 2 - 3.7.744 = -35.744 | Ex 4) |
$$\frac{8xy + z^3}{y^2 + 5}$$
 if $x = 5$, $y = -2$, $z = -1$ | $\frac{8(5)(-3) + (-1)}{y^2 + 5}$ | $\frac{8(5)(-3) + (-1)}{4 + 5}$ | $\frac{-80}{4 + 5$