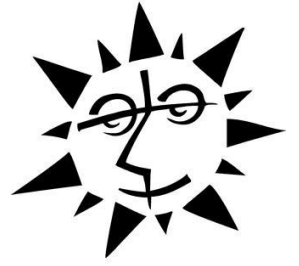


Section 1.1/1.2
Alg 2 Trig G Notes



PEMDAS

Order of Operations!

P - parentheses

E - exponents

M/D - multiplication/division (from left to right)

A/S - addition/subtraction (from left to right)

Evaluate each expression:

1. $(x - y)^3 + 3$ if $x = 1$ and $y = 4$

$$(1 - 4)^3 + 3$$

$$(-3)^3 + 3$$

$$-27 + 3$$

$$\textcircled{-24}$$

2. $s - t(s^2 - t)$ if $s = 2$ and $t = 3.4$

$$2 - 3.4(2^2 - 3.4)$$

$$2 - 3.4(4 - 3.4)$$

$$2 - 3.4(.6)$$

$$2 - 2.04$$

$$\textcircled{-.04}$$

3. $\frac{8xy + z^3}{y^2 + 5}$ if $x = 5$, $y = -2$, and $z = -1$

$$\frac{8(5)(-2) + (-1)^3}{(-2)^2 + 5}$$

$$\frac{-80 + -1}{4 + 5}$$

$$\frac{-81}{9}$$

$$\textcircled{-9}$$

Review! Simplify the Expression.



1. $4(3a - b) + 2(b + 3a)$

$12a - 4b + 2b + 6a$

$18a - 2b$

2. $2(3x - y) + 4(2x + 3y)$

$6x - 2y + 8x + 12y$

$14x + 10y$