

1.4 Order of Operations - Integers

* Recall: PEMDAS
GEMS

Examples:

$$\begin{array}{r} 1. \quad -4 - 2(-5) \\ -4 + 10 \\ 6 \end{array}$$

$$\begin{array}{r} 2. \quad -2(-5) - 3(-4) \\ 10 - 3(-4) \\ 10 + 12 \\ 22 \end{array}$$

$$\begin{array}{r} 3. \quad 7 - 4(8) \\ 7 - 32 \\ -25 \end{array}$$

$$\begin{array}{r} 4. \quad -4(-3) - 4(6) - 3(-1) \\ 12 - 4(6) - 3(-1) \\ 12 - 24 - 3(-1) \\ 12 - 24 + 3 \\ -12 + 3 \\ -9 \end{array}$$

$$\begin{array}{r} 5. \quad \sqrt{64} - 3(-5 - -4) \\ \sqrt{64} - 3(-5 + 4) \\ \sqrt{64} - 3(-1) \\ 8 - 3(-1) \\ 8 + 3 \\ 11 \end{array}$$

$$\begin{array}{r} 6. \quad \frac{2^3(3-5)}{7-3(5)} \\ \frac{2^3(-2)}{7-3(5)} \\ \frac{8(-2)}{7-3(5)} \\ \frac{-16}{7-15} \\ \frac{-16}{-8} = \textcircled{2} \end{array}$$

HOMEWORK:

Worksheet - Order of Operations - Integers