

September 30, 2014^{5th}_{6th}

**Clear off your desks and
be ready to take Quiz 1.4
when the bell rings.**



$$\begin{aligned} & -8g + 3h \\ & -8 \times -3 = 24 \\ & 3 \times 4 = 12 \\ & 12 + 24 = 36 \end{aligned}$$

$$\begin{aligned} & -8g + 3h \\ & = -8(-3) + 3(4) \\ & = 24 + 12 \\ & = 36 \end{aligned}$$

9/24 Combining all operations with Integers

Compute:

$$\begin{aligned} & |(-4) + (+4)| - 6 \\ &= |0| - 6 \\ &= 0 +^{-}6 \\ &= -6 \end{aligned}$$

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$$\begin{aligned} & \frac{12}{(-3) + (+6)} \cdot (-3) \\ &= \frac{12}{3} \cdot (-3) \\ &= 4 \cdot (-3) \\ &= -12 \end{aligned}$$

$$\begin{aligned} & |3 \cdot (-1)| - 6 \cdot (-4) \\ & = |-3| - 6(-4) \\ & = 3 - 6(-4) \\ & = 3 + (+24) \\ & = 27 \end{aligned}$$

$$\begin{aligned} & 3^2 \cdot \frac{(-13) + (+1)}{-3} \\ & = 9 \cdot \frac{-12}{-3} \\ & = 9 \cdot 4 \\ & = 36 \end{aligned}$$

Evaluate each for $m = -8, n = -4$

$$\begin{aligned} & m - (n + 3) \\ &= (-8) - \underline{((-4) + 3)} \\ &= -8 + (+1) \\ &= -7 \end{aligned}$$

$$\begin{aligned} & mn - n^2 \\ &= \underline{(-8)(-4)} - \underline{(-4)^2} \\ &= (-8)(-4) - 16 \\ &= 32 - 16 \\ &= 16 \end{aligned}$$

Evaluate each for $x = -10$, $y = 5$, $z = -2$

$$\begin{aligned} & \frac{x^2}{z} - y \\ = & \frac{(-10)^2}{-2} - 5 \\ = & \frac{100}{-2} - 5 \\ = & -50 - 5 \\ = & -55 \end{aligned}$$

$$\begin{aligned} & \frac{z^2 - x + 1}{y} \\ = & \frac{(-2)^2 + (+10) + 1}{5} \\ = & \frac{4 + 10 + 1}{5} \\ = & \frac{15}{5} \\ = & 3 \end{aligned}$$

Homework

Lilac WS 9 #1-16 all

Due Thursday