

September 29, 2014^{5th}
Starter^{6th}

Compute each.

1. $-5(-4)(-1)$
 $= 20(-1)$
 $= -20$

3. -5^2
 $= -5 \cdot 5$
 $= -25$

6, 7, 8 → 2
4, 5 → 1
0, 1, 2, 3 → 0

2. $5(-4)(-5)$
 $= -20(-5)$
 $= 100$

4. $-3 \cdot (-4)^2$
 $= -3 \cdot 16$
 $= -48$

9/29 - Substitution using Integers

Work with a partner and how many synonyms you can find for "substitution."

Replacement

Equals the same thing

Change

Put one in for the other

Rearrange

Switch

Swap

Convert

Remove one +
put in another

Compute each:

$5x + 4$ *instructions*
if $x = -2$

$$\begin{aligned} &5x + 4 \\ &= 5(-2) + 4 \\ &= -10 + 4 \\ &= -6 \end{aligned}$$

Remember to use the
Order of Operations!

For each problem:

1. Write the problem
2. Replace the variable with the given value
3. Compute to find the answer.

$$-3y - 9 \quad \text{if } y = -8$$

$$\begin{aligned} & -3y - 9 \\ = & \underline{-3(-8)} - 9 \\ = & 24 - 9 \\ = & 15 \end{aligned}$$

$$-c + 5m - 3 \quad \text{if } c = -5, m = 2$$

$$\begin{aligned} & -c + 5m - 3 \\ &= -(-5) + \underline{5(2)} - 3 \\ &= 5 + 10 - 3 \\ &= 15 - 3 \\ &= 12 \end{aligned}$$

$$-2u^2 + 8 \text{ if } u = 3$$

$$-2u^2 + 8$$
$$= -2(3)^2 + 8$$

$$= -2 \cdot 9 + 8$$

$$= -18 + 8$$


$$= -10$$

$$-5x^2 + 7x + 9 \text{ if } x = -4$$

$$\begin{aligned} & -5x^2 + 7x + 9 \\ &= -5(-4)^2 + 7(-4) + 9 \\ &= -5 \cdot 16 + 7 \cdot (-4) + 9 \\ &= -80 + (-28) + 9 \\ &= -108 + 9 \\ &= -99 \end{aligned}$$

Homework

Melon WST

Due Top section due Tues.
Bottom section due Wed.