September 24, 2014 4th

Starter

Compute each.

1. $-32 \div (-4)$

$= 8$

2. $\frac{24}{-6} = -4$

3, 4 → 2

2 → 1

0, 1 → 0

3. $-2 \cdot \frac{-12}{4}$

$= -2 \cdot -3$

$= 6$

4. $\frac{(-4)^2}{-2}$

$-4 \cdot -4$

$= \frac{16}{-2}$

$= -8$

9/24 - Substitution using Integers

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

Replace
Exchange
Switch
Trade
Used in place of
Instead
Swap

Compute each:

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

instructions

$5x + 4$

$= 5(-2) + 4$

$= -10 + 4$

$= -6$

Remember to use the Order of Operations!

For each problem:

1. Write the problem
2. Substitute the given value for the variable
3. Compute it to find the answer.

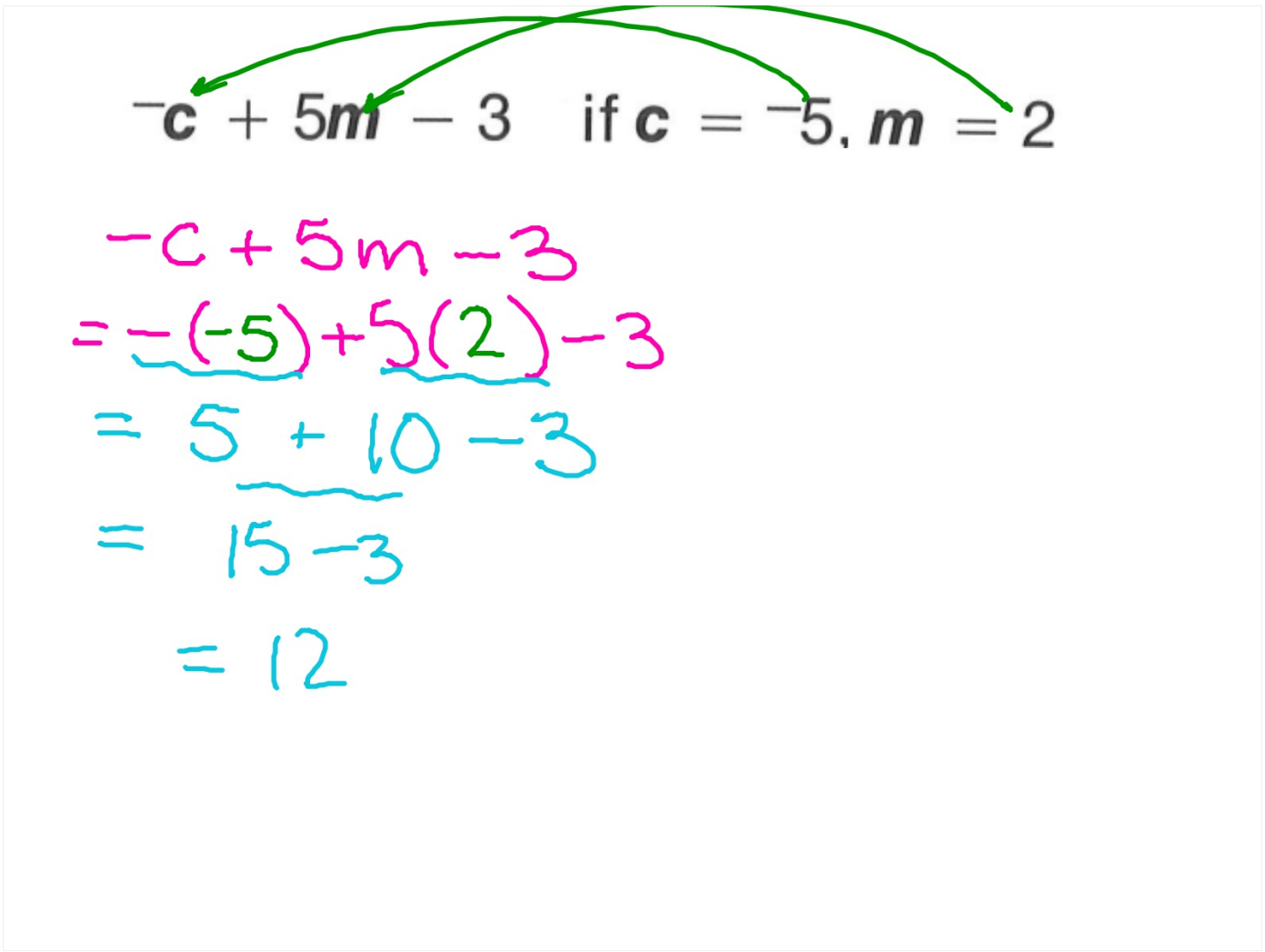
$-3y - 9 \quad \text{if } y = -8$

$-3y-9$

$=-3(-8)-9$

$= 24-9$

$= 15$


$-c + 5m - 3$ if $c = -5, m = 2$
$-c + 5m - 3$
$= -(-5) + 5(2) - 3$
$= 5 + 10 - 3$
$= 15 - 3$
$= 12$

$-2u^2 + 8$ if $u = 3$

$-2u^2+8$

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

$= -2 \cdot 9 + 8$

$= -18 + 8$

$= -10$

$-5x^2 + 7x + 9$ if $x = -4$

Homework

Salmon WS7

Due

Top part tomorrow
Bottom part on Friday