

Agenda

Homework:

- AM
- CN Summary
- Input/Output WS

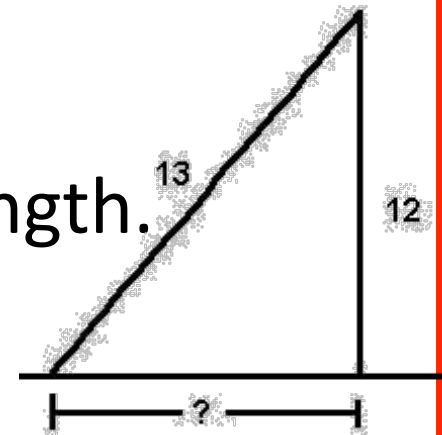
Materials:

- Notebook
- Ruler

DO NOW:

- Pick up AM Notebook from bin in back
- **Solve the following on your desk:**

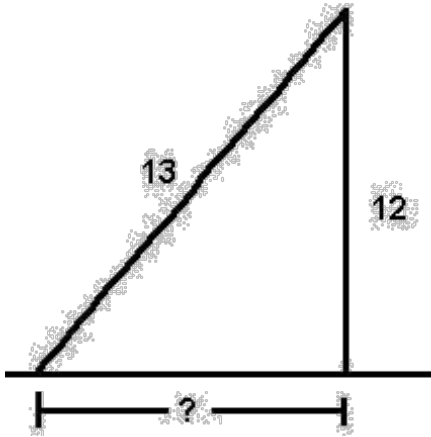
1. Find the missing length.



2. Solve for x:
 $2x - 9 = 15$

Do Now

- Find the missing length



- Solve for x:

$$2x - 9 = 15$$



Set up Cornell Notes

- **Topic:** Equations – Input and Output

- **EQ:**

How do you plug in a number (input) into an equation to find the output? Then, how do you graph your answer?

What does “input” and “output” mean?



- The number you plug **IN** is the ***input*** (**x**-value on a graph).
- The result that comes **OUT** is the ***output*** (**y**-value on a graph).



How do you evaluate the OUTPUT by plugging in the INPUT?

- Example: What is the output (y) of $y = 4x - 3$, if $x = 2$?

$$y = 4(2) - 3$$

$$y = 8 - 3$$

$$y = 5$$

x	$4x - 3$	y
2	$4(2) - 3 = 8 - 3$	5
1	$4(1) - 3 = 4 - 3$	1
0	$4(0) - 3 = 0 - 3$	-3
-1	$4(-1) - 3 = -4 - 3$	-7

Don't forget
Order of
Operations!



How do you graph using a table?

- Use the x & y in each row as your (x, y) coordinates

x	y
2	5
1	1
0	-3
-1	-7

