Warm Up:
Simplify.
-4(9) \[6x + 2 - 4x\]

ACT Question:
What is the value of a when \[6a - 1 = 2(a+1)\]?
A.) 3/8  B.) 3/4  C.) 1/2  D.) 0  E.) 5/2

What is a Function Rule?

A function rule is just an equation where we would solve for a

Example 1:
Write a function rule that represents each sentence.

\[y\] is less than the product of \[4\] and
Example 2:
Write a function rule that represents each sentence.

is more than

Example 3:
Write a function rule that represents each sentence.

(with your shoulder buddy)

less than three fifths of is

Example 4:
Write a function rule that represents each situation.

A worker's earnings are a function of the number of hours worked at a rate of per hour.

Example 5:
Write a function rule that represents each situation.

The load , in pounds, of a wheelbarrow is the sum of its own -lb weight and the weight of the bricks that it carries. The wheelbarrow holds -lb bricks.
Example 6:  (with your shoulder buddy)
Write a function rule that represents each situation.

Eric is \(2\) years younger than \(2\) times his sister’s age. Write a rule that represents Eric’s age \(A\) as a function of his sister’s age, \(S\).

Example 7:
A helicopter hovers \(40\) ft above the ground. Then the helicopter climbs at a rate of \(21\) ft/s. Write a rule that represents the helicopter’s height \(h\) above the ground as a function of time \(t\). What is the helicopter’s height after \(45\) seconds?

Summary
What is a function rule?

Is this any different than writing expressions from words like in chapter 1?