

Equations can be generated from Coordinates like what we did in unit 1.

Review:

x	-4	-2	1	5	7
y	-1	1	4	8	10



What do we do to x to get y?

$$-4 + (3) = -1$$

$$-2 + (3) = 1$$

$$1 + (3) = 4$$

$$5 + (3) = 8$$

$$7 + (3) = 10$$

$$\text{So } y = x + 3$$

We used this in unit 1 when we identified the n^{th} term.

Ex:

1	2	3	4	5	n^{th}
6	11	16	21	26	$(5n+1)$
✓	✓	✓	✓		
5	5	5	5		

$$\boxed{y = 5x + 1}$$

Here is our new equation

Each ordered pair is a solution to an equation

What ordered pair would be a solution to the equation $4x - y = 6$

$$(4, \underline{\quad ? \quad})$$

$$4(4) - y = 6$$

$$16 - y = 6$$

$$y = 10$$

$$(3, \underline{\quad ? \quad})$$

$$4(3) - y = 6$$

$$12 - y = 6$$

$$y = 6$$

$$(\underline{\quad ? \quad}, 18)$$

$$4x - 18 = 6$$

$$4x = 24$$

$$x = 6$$

$$(\underline{\quad ? \quad}, 7)$$

$$4x - 7 = 6$$

$$4x = 13$$

$$x = 13/4$$

~~C.W. Pg 223~~

Pg 223 5-12

C.W. Practice 5.1

H.W Pg 224 15-33

all