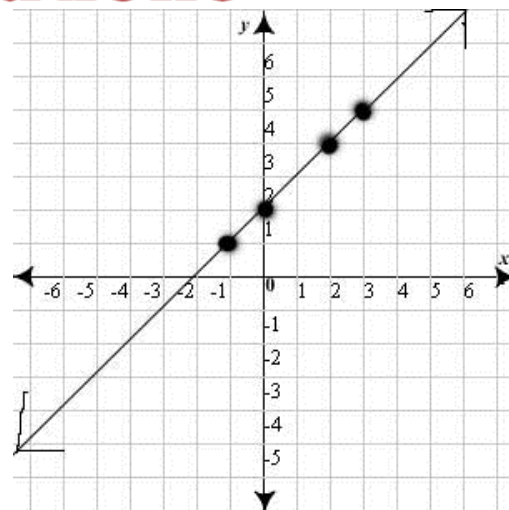
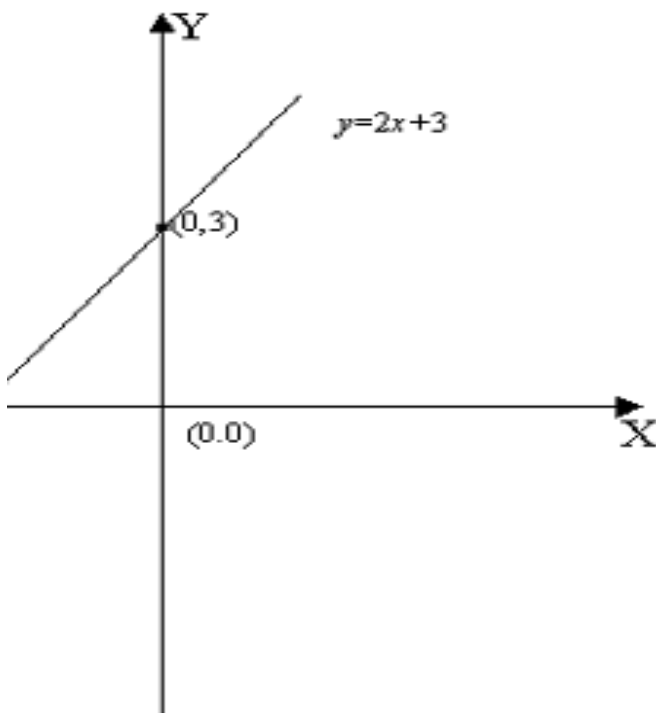


Section 4.2



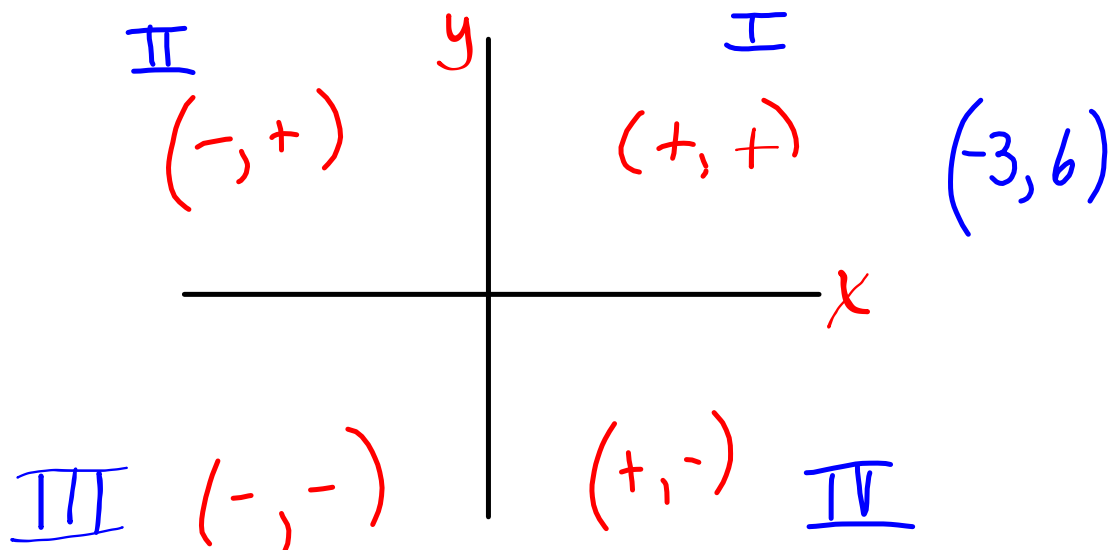
Linear Relations



Do you remember how to plot points?

Graph Review

(x, y)



Remember ME

Let's look at it again.

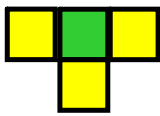


Figure 1

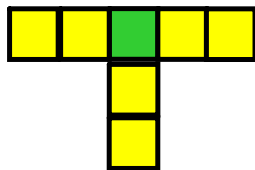


Figure 2

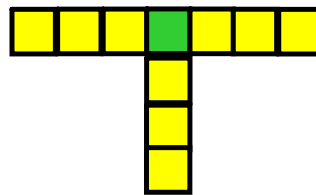


Figure 3

Write an equation that relates the number of blocks, n , to the figure number, f .

Figure # (f)	# of Blocks (b)
<u>1</u>	<u>4</u> $\rightarrow +3$
<u>2</u>	<u>7</u> $\rightarrow +3$
<u>3</u>	<u>10</u>
6	<u>19</u>
10	<u>31</u>

$b = 3f + 1$

$f = 6$ $f = 10$

$f = 3(6) + 1$ $f = 3(10) + 1$

$= 19$ $= 31$

Remember ME

Let's look at it again.

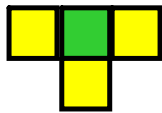


Figure 1

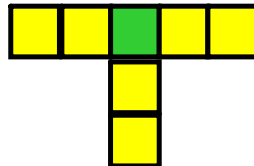


Figure 2

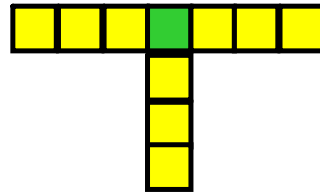
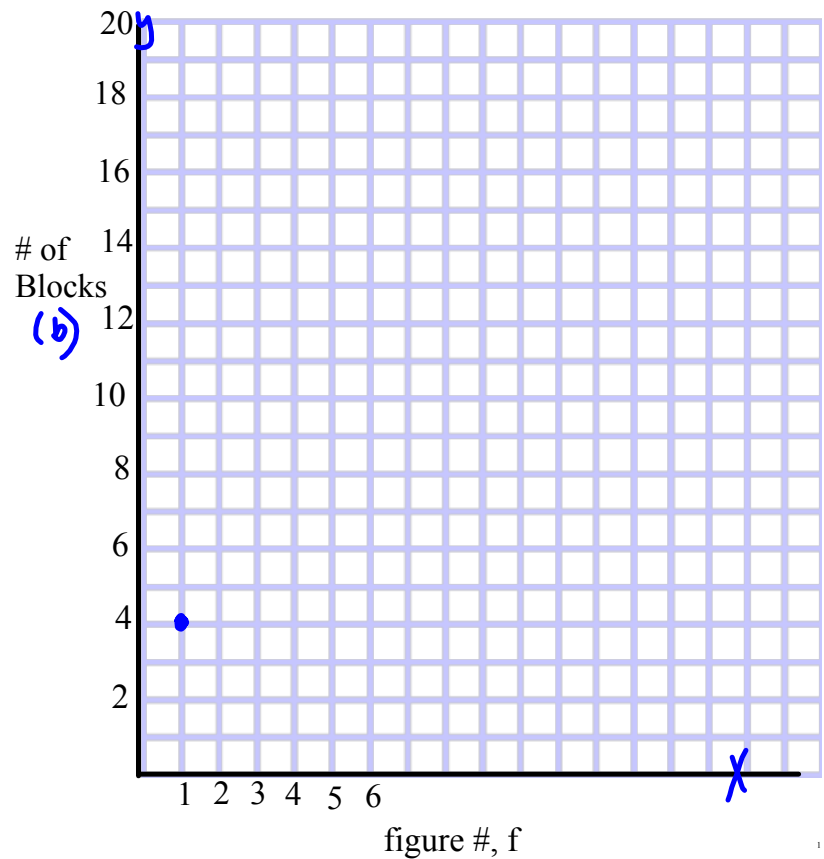


Figure 3

Figure # <i>(f)</i>	# of Blocks <i>(b)</i>	point <i>(x, y)</i>
1	4	<i>(1, 4)</i>
2	7	<i>(2, 7)</i>
3	10	<i>(3, 10)</i>
4	13	<i>(4, 13)</i>
5	16	
6	19	



- Describe the relationship between figure number and number of blocks.