

Session 1: Card Sort (Set 1)

$$y = 3x + 2$$

When $x = 0$, $y = 2$
(*y*-intercept)

When an x -value **increases by 1**,
the y -value **increases by 3**
(*Slope*)

x	y
-2	-4
-1	-1
0	2
1	5
2	8

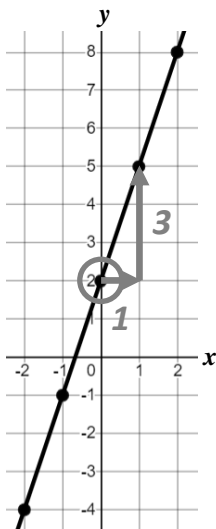
+1 <-----> +3

+1 <-----> +3

+1 <-----> +3

+1 <-----> +3

+1 <-----> +3



$$y = -2x + 3$$

When $x = 0$, $y = 3$
(*y*-intercept)

When an x -value **increases by 1**,
the y -value **decreases by 2**
(*Slope*)

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

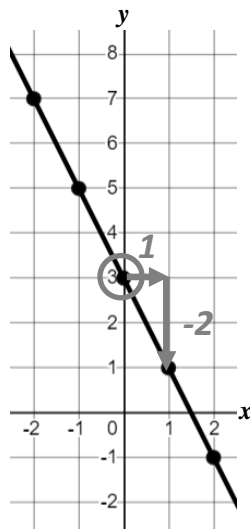
+1 <-----> -2

+1 <-----> -2

+1 <-----> -2

+1 <-----> -2

+1 <-----> -2



$$y = 2x - 3$$

When $x = 0$, $y = -3$
(*y*-intercept)

When an x -value **increases by 1**,
the y -value **increases by 2**
(*Slope*)

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

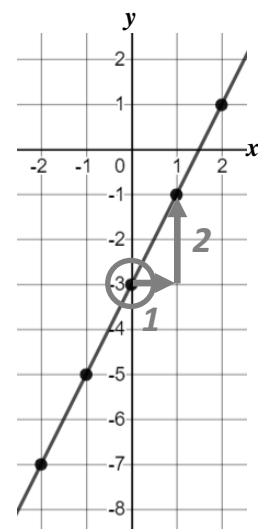
+1 <-----> 2

+1 <-----> 2

+1 <-----> 2

+1 <-----> 2

+1 <-----> 2



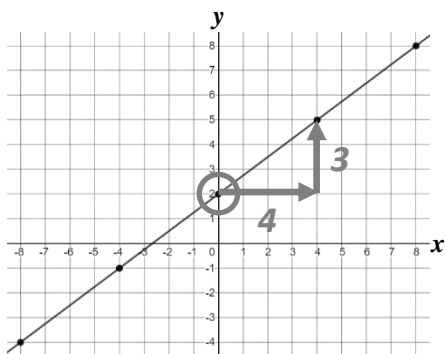
Session 1: Card Sort (Set 2)

$$y = \frac{3}{4}x + 2$$

When $x = 0$, $y = 2$
(*y*-intercept)

When an x -value **increases by 4**,
the y -value **increases by 3**
(*Slope*)

	x	y	
	-8	-4	
+4 <	-4	-1	> +3
+4 <	0	2	> +3
+4 <	4	5	> +3
+4 <	8	8	> +3

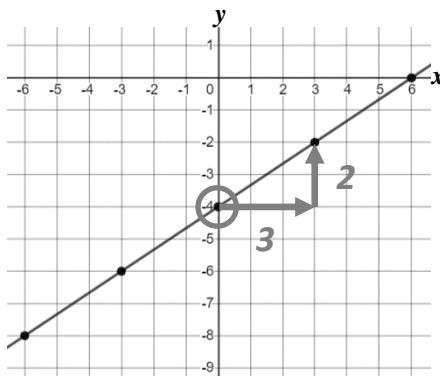


$$y = \frac{2}{3}x + -4$$

When $x = 0$, $y = -4$
(*y*-intercept)

When an x -value **increases by 3**,
the y -value **increases by 2**
(*Slope*)

	x	y	
	-6	-8	
+3 <	-3	-6	> +2
+3 <	0	-4	> +2
+3 <	3	-2	> +2
+3 <	6	0	> +2



$$y = -\frac{2}{3}x + 4$$

When $x = 0$, $y = 4$
(*y*-intercept)

When an x -value **increases by 2**,
the y -value **decreases by 3**
(*Slope*)

	x	y	
	-6	8	
+3 <	-3	6	> -2
+3 <	0	4	> -2
+3 <	3	2	> -2
+3 <	6	0	> -2

