

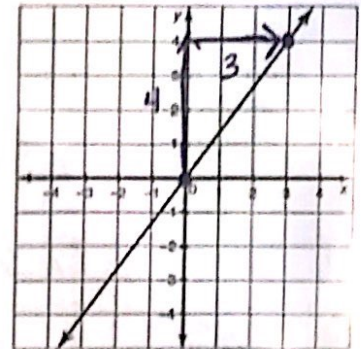
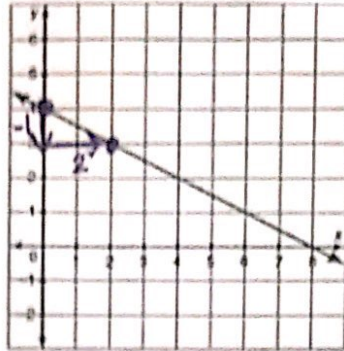
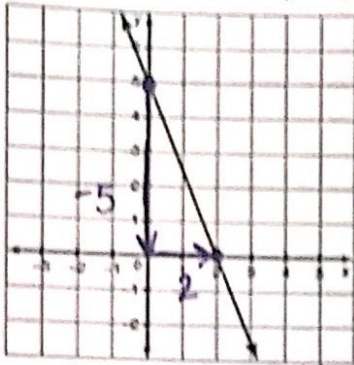
Day 8 - Writing Equations from a Graph or Table - Practice

Write the equation for each graph and table.

1.  $m = -5/2$  b.  $(0, 5)$  eqn:  $y = -\frac{5}{2}x + 5$

2.  $m = -1/2$  b.  $(0, 4)$  eqn:  $y = -\frac{1}{2}x + 4$

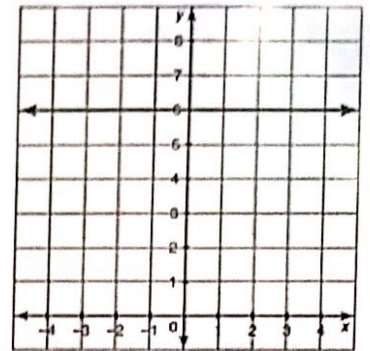
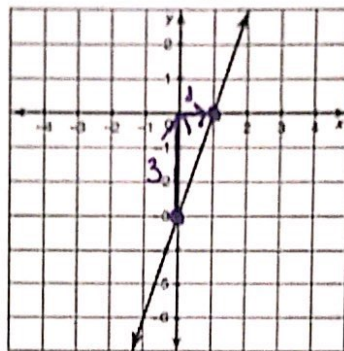
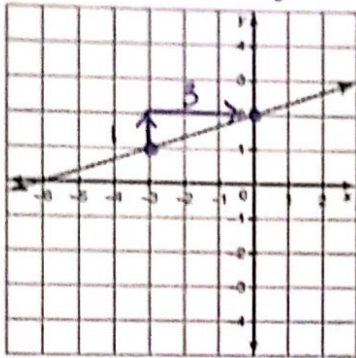
3.  $m = 4/3$  b.  $(0, 0)$  eqn:  $y = \frac{4}{3}x$



4.  $m = 1/3$  b.  $(0, 2)$  eqn:  $y = \frac{1}{3}x + 2$

5.  $m = 3$  b.  $(0, -3)$  eqn:  $y = 3x - 3$

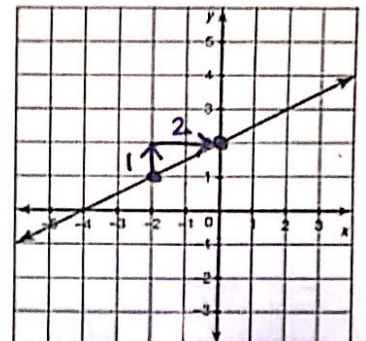
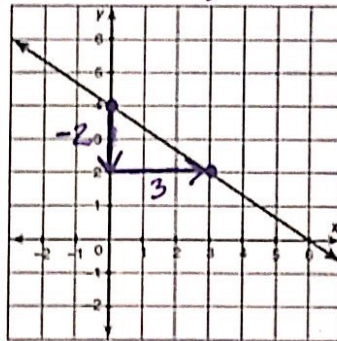
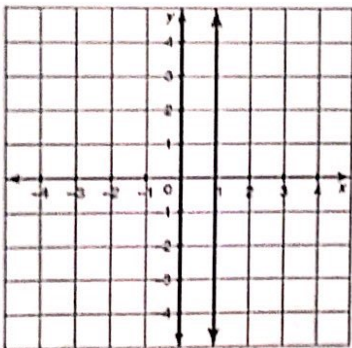
6.  $m = 0$  b.  $(0, 6)$  eqn:  $y = 6$



7.  $m = \text{undefined}$  b.  $\text{none}$  eqn:  $x = 1$

8.  $m = -2/3$  b.  $(0, 4)$  eqn:  $y = -\frac{2}{3}x + 4$

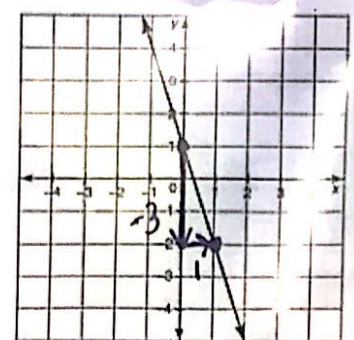
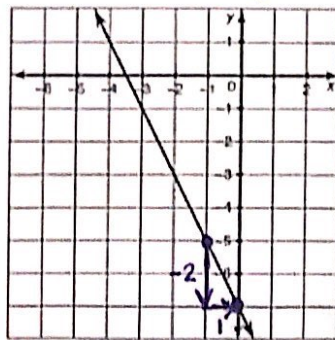
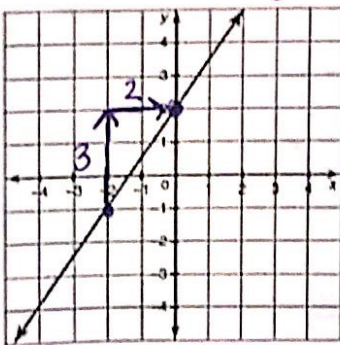
9.  $m = 1/2$  b.  $(0, 2)$  eqn:  $y = \frac{1}{2}x + 2$



10.  $m = 3/2$  b.  $(0, 2)$  eqn:  $y = \frac{3}{2}x + 2$

11.  $m = -2$  b.  $(0, -7)$  eqn:  $y = -2x - 7$

12.  $m = -3$  b.  $(0, 1)$  eqn:  $y = -3x + 1$



Write the equation of the line using the tables below:

1. m: 2 b: (0, -8) eqn:  $y = 2x - 8$

x	0	1	2	3	4
y	-8	-6	-4	-2	0

+2

2. m: 8 b: (0, 4) eqn:  $y = 8x + 4$

x	0	1	2	3	4
y	4	12	20	28	36

+8

3. m: 5 b: (0, -3) eqn:  $y = 5x - 3$

x	0	1	2	3	4
y	-3	2	7	12	17

+5

4. m: 5 b: (0, 9) eqn:  $y = 5x + 9$

x	0	1	2	3	4
y	9	14	19	24	29

+5

5. m: 4 b: (0, -1) eqn:  $y = 4x - 1$

x	0	1	2	3	4
y	-1	3	7	11	15

6. m: -5 b: (0, 4) eqn:  $y = -5x + 4$

x	0	1	2	3	4
y	4	-1	-6	-11	-16

7. m: -4 b: (0, 1) eqn:  $y = -4x + 1$

x	0	1	2	3	4
y	1	-3	-7	-11	-15

8. m: -1 b: (0, 5) eqn:  $y = -x + 5$

x	0	1	2	3	4
y	5	4	3	2	1

$\frac{\Delta y}{\Delta x} = -1$

9. m: -3 b: (0, 3) eqn:  $y = -3x + 3$

x	0	1	2	3	4
y	3	0	-3	-6	-9

$\frac{\Delta y}{\Delta x} = \frac{-6}{2} = -3$

10. m: -1 b: (0, -2) eqn:  $y = -x - 2$

x	0	1	2	3	4
y	-2	-3	-4	-5	-6

$\frac{\Delta y}{\Delta x} = \frac{-3}{3} = -1$