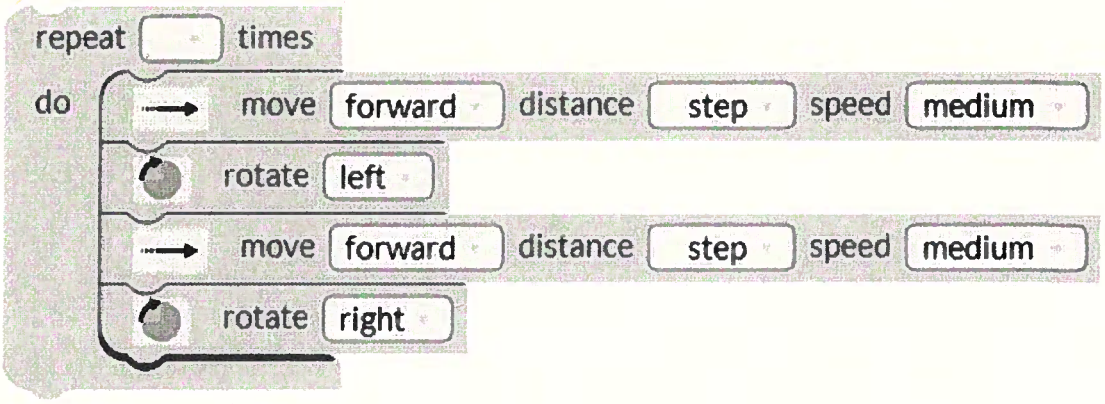
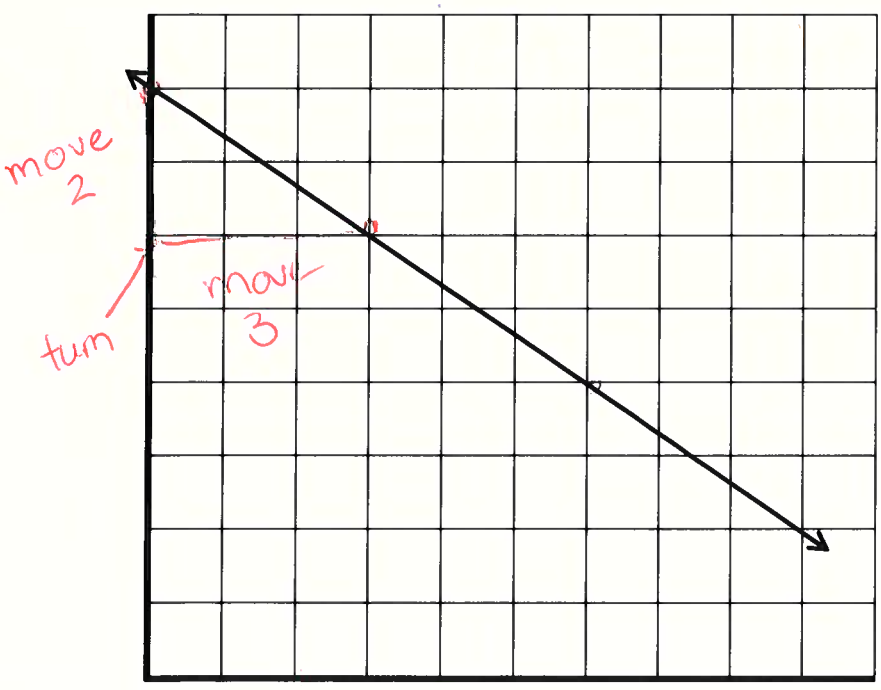
KEY

Slope Seeker

Step 1: Use the provided information to identify the slope and graph the line.

Step 2: Place your Ozobot in the bottom left of your line facing the top of the paper. Program your Ozobot to follow your slope using these example blocks- make sure to fill in the right information. Then, run Ozobot to check your work!





1. **Use the graph**

Complete the function table

Input X	0	3	6
Output Y	8	6	4

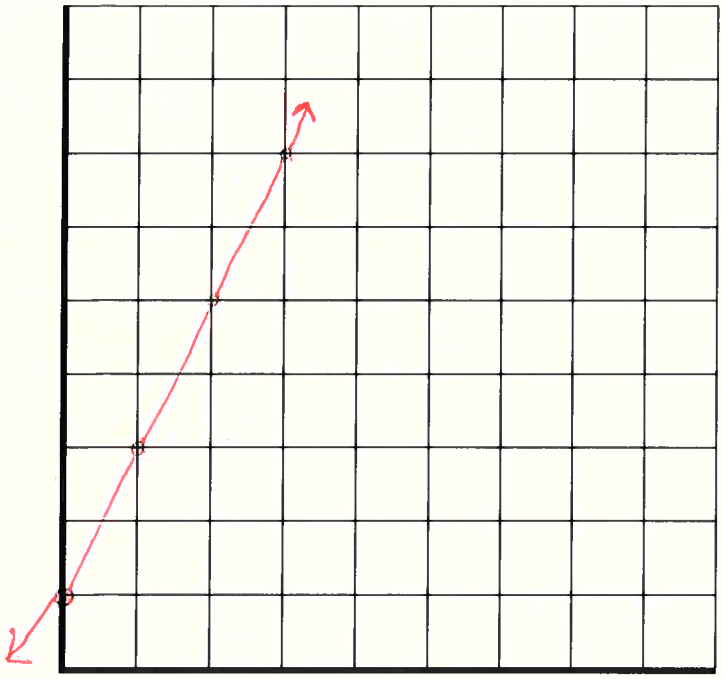
Use the table to write the ordered pairs

(0, 8) (3, 6)

(6, 4)

Graph the line

What is the slope? $\frac{-2}{3}$



2. $y = 2x + 1$

Complete the function table

Input X	0	1	2	3
Output Y	1	3	5	7

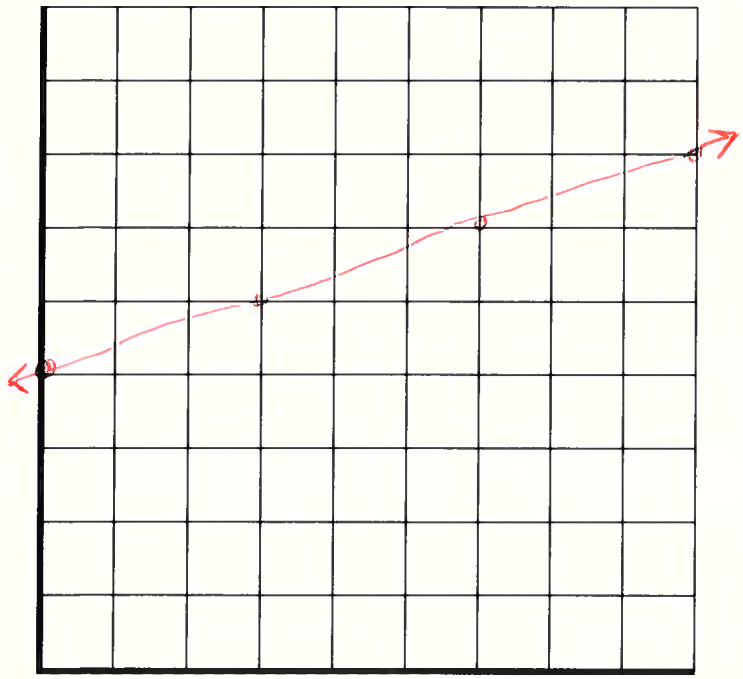
Use the table to write the ordered pairs

(0, 1) (1, 3)

(2, 5) (3, 7)

Graph the line

What is the slope? $\frac{2}{1}$



3. Use this table

Input X	0	3	6	9
Output Y	4	5	6	7

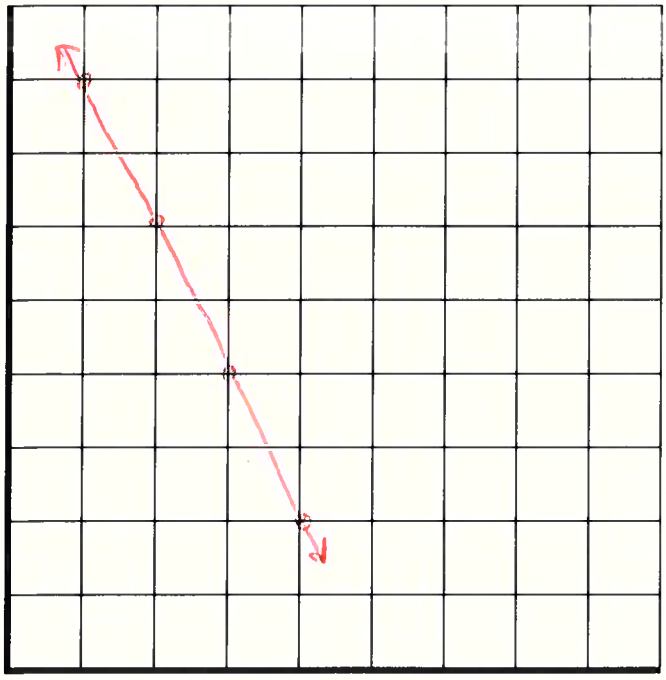
Write the ordered pairs

(0, 4) (3, 5)

(6, 6) (9, 7)

Graph the line

What is the slope? $\frac{1}{3}$



4. Use the ordered pairs

(1, 8) (2, 6)

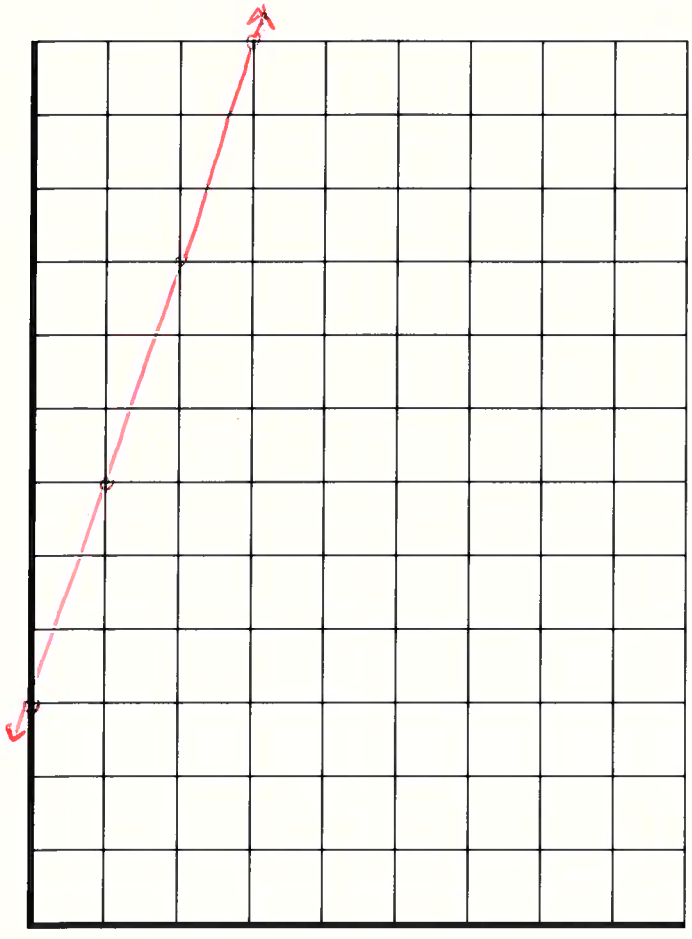
(3, 4) (4, 2)

Complete the function table

Input X	1	2	3	4
Output Y	8	6	4	2

Graph the line

What is the slope? $\frac{-2}{1}$



5. You go to Shoofly and order an ice cream cone. The cone costs $3. Each scoop of ice cream is $3.

Complete the function table

Input X	0	1	2	3
Output Y	3	6	9	12

Use the table to write the ordered pairs

(0, 3) (1, 6)

(2, 9) (3, 12)

Graph the line

What is the slope? $\frac{3}{1}$