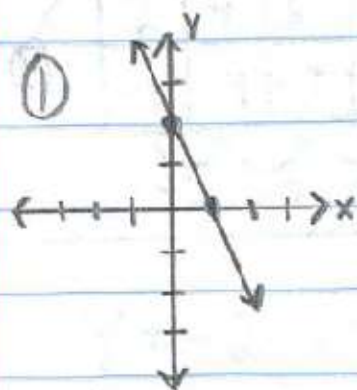


Linear Functions

Use the graph or table to write a linear function that relates y to x .



$$m = \frac{\text{Rise}}{\text{Run}} = -\frac{2}{1} = -2$$

$$b = 2$$

$$y = -2x + 2$$

②

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

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$m = \frac{5 - 1}{2 - 1}$$

$$m = \frac{4}{1}$$

$$m = 4$$

When $x = 0$,

$$y = -3,$$

therefore

$$b = -3$$

$$y = 4x - 3$$