Translating a Line

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

Translating a Line

$$2x - 3 = y$$

Translating a Line

$$y = \frac{1}{3}x + 1$$

Translating a Line

Translating a Line

Translating a Line

Translating a Line

Translating a Line

| $x$ | $y$ |
|---|---|
| 0 | 1.5 |
| 1 | 3.5 |
| 1.5 | 4.5 |
| 2.75 | 7 |

Translating a Line

The $y$-coordinate is three less than double the $x$-coordinate.

Translating a Line

The $y$-coordinate is one more than a third of the $x$-coordinate.

Translating a Line

| $x$ | $y$ |
|---|---|
| 0 | -4 |
| 2 | -3 |
| 4 | -2 |
| 8 | 0 |