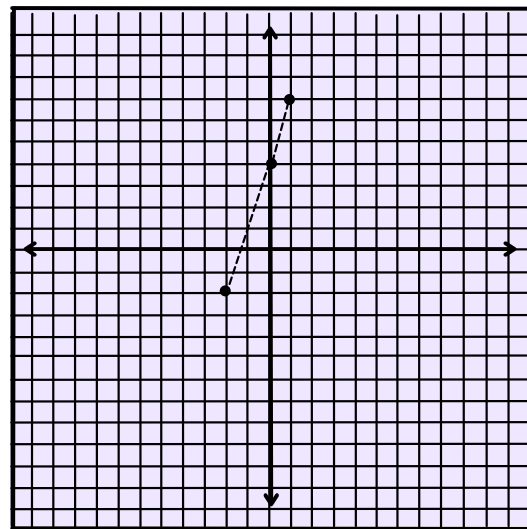


# Graphing linear equations

Example :-

|      |                      |
|------|----------------------|
| $x$  | $y = 3x + 4$         |
| $1$  | $y = 3(1) + 4 = 7$   |
| $-2$ | $y = 3(-2) + 4 = -2$ |
| $0$  | $y = 3(0) + 4 = 4$   |

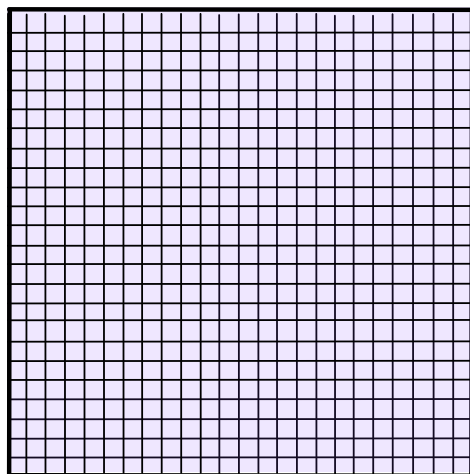


Do it yourself :-

Substitute the values for  $x$ , solve and graph the line for each equation.

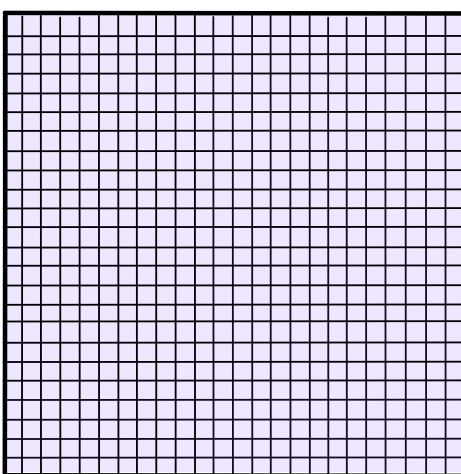
1.

|      |                        |
|------|------------------------|
| $x$  | $y = \frac{2}{3}x - 1$ |
| $3$  |                        |
| $0$  |                        |
| $-3$ |                        |



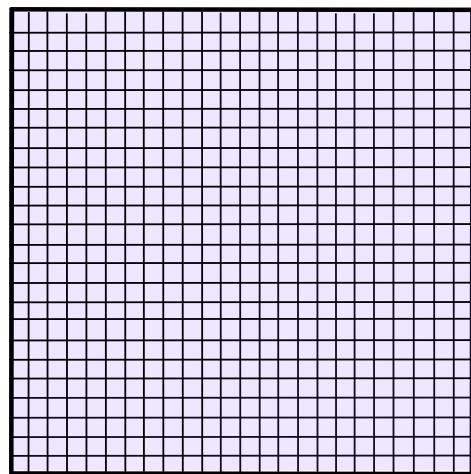
2.

|      |                         |
|------|-------------------------|
| $x$  | $y = -\frac{1}{2}x - 2$ |
| $2$  |                         |
| $0$  |                         |
| $-2$ |                         |



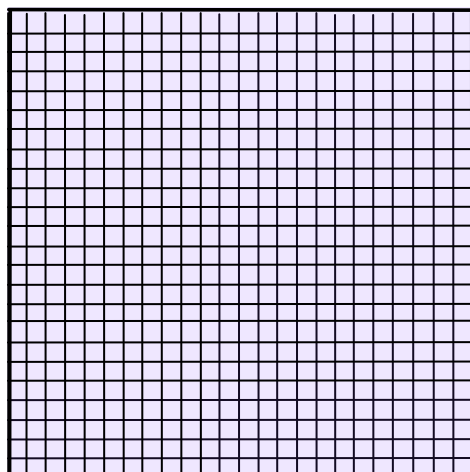
3.

|      |                       |
|------|-----------------------|
| $x$  | $y = \frac{x}{3} - 1$ |
| $3$  |                       |
| $-3$ |                       |
| $6$  |                       |



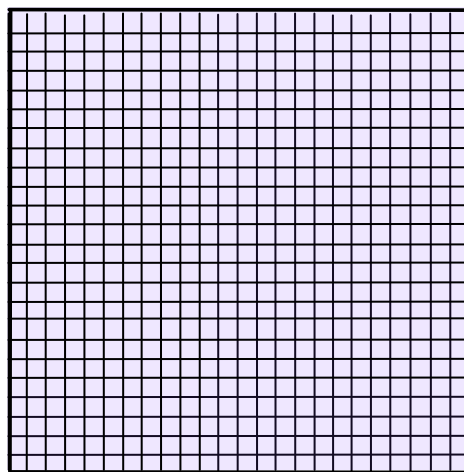
4.

|      |          |
|------|----------|
| $x$  | $y = 2x$ |
| $0$  |          |
| $-1$ |          |
| $2$  |          |



5.

|     |              |
|-----|--------------|
| $x$ | $y = 7x - 5$ |
| $1$ |              |
| $0$ |              |
| $2$ |              |



6.

|     |              |
|-----|--------------|
| $x$ | $y = 4x - 4$ |
| $1$ |              |
| $0$ |              |
| $2$ |              |

