

## Equations of lines

Homework solutions...

1.  $x = 4$

4.  $y = -3$

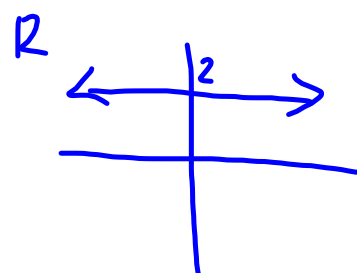
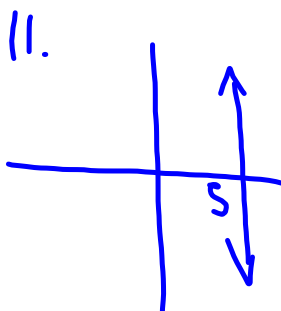
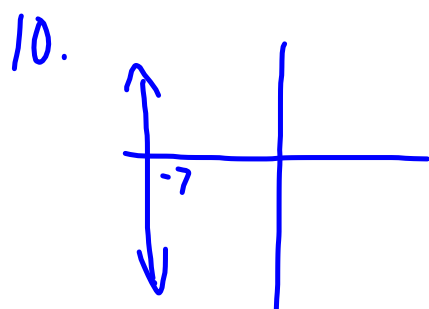
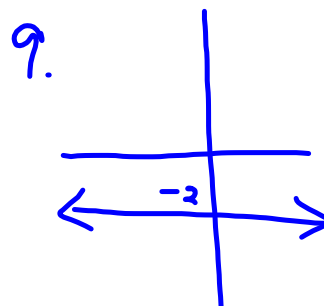
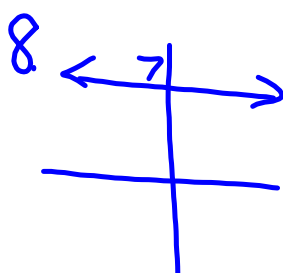
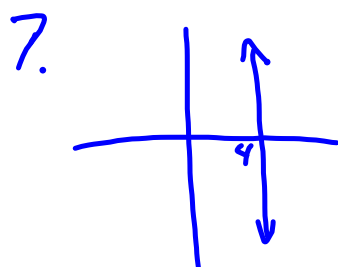
2.  $x = -6$

5.  $x = -1$

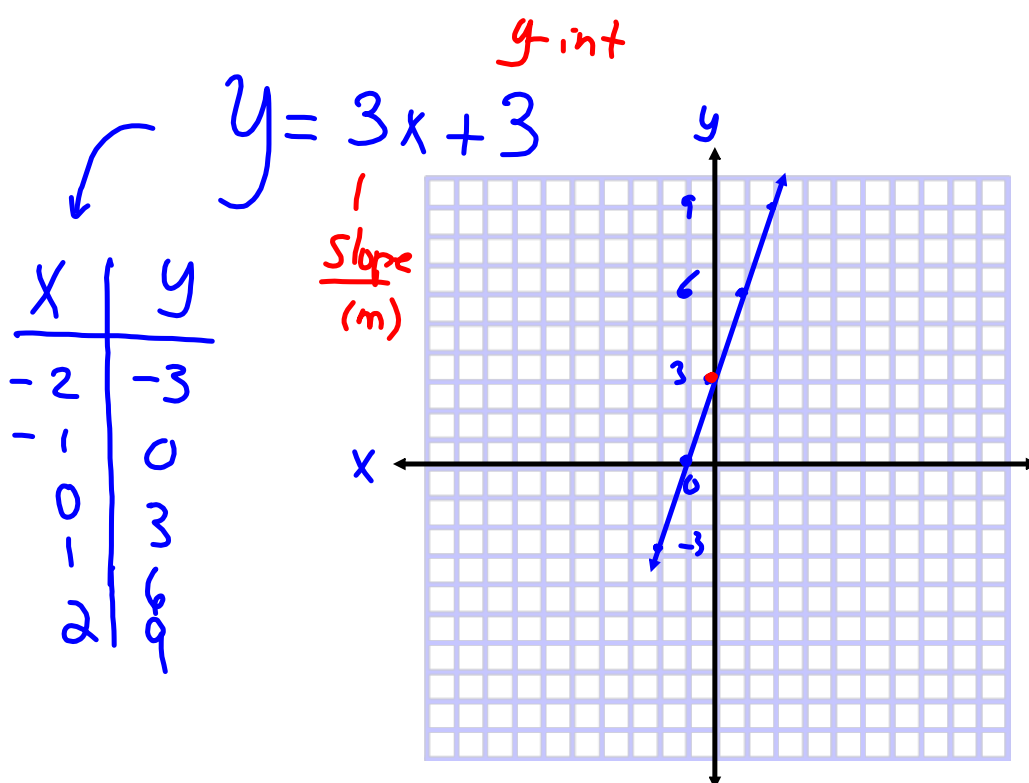
3.  $y = 5$

6.  $y = -5$ 

---



- |   |          |     |            |
|---|----------|-----|------------|
| 1 | Vertical | 6   | Horizontal |
| 2 | Vertical | 7   | Oblique    |
| 3 | Oblique  | 8   | Horizontal |
| 4 | Oblique  | 9   | Oblique    |
| 5 | Vertical | 10. | Horizontal |

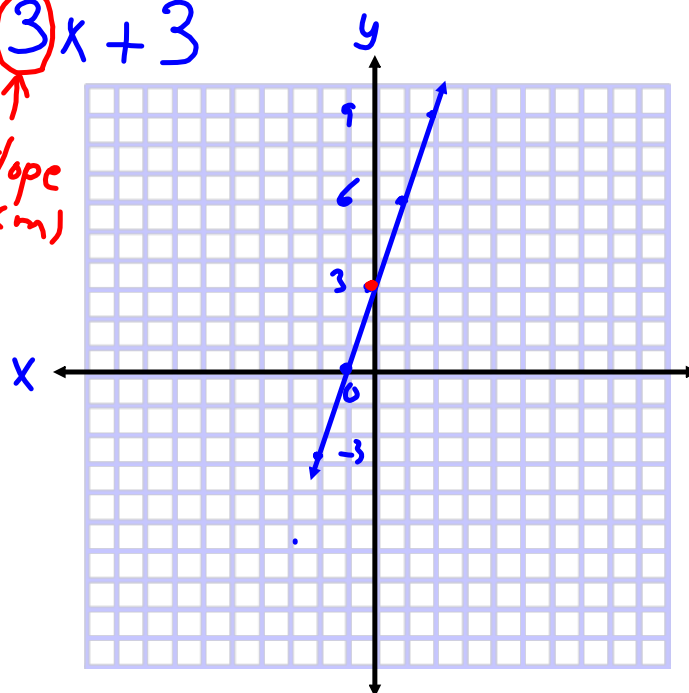


$$\left(\frac{3}{1}\right), \left(\frac{-3}{-1}\right)$$

$$m = \frac{\text{rise}}{\text{run}} \\ = \frac{\Delta y}{\Delta x}$$

$$y = 3x + 3$$

↑ slope (m)      ↖ y-int



$$m = \frac{4}{5} \quad y = \frac{4}{5}x + 7$$

$= \frac{\text{rise}}{\text{run}}$

---

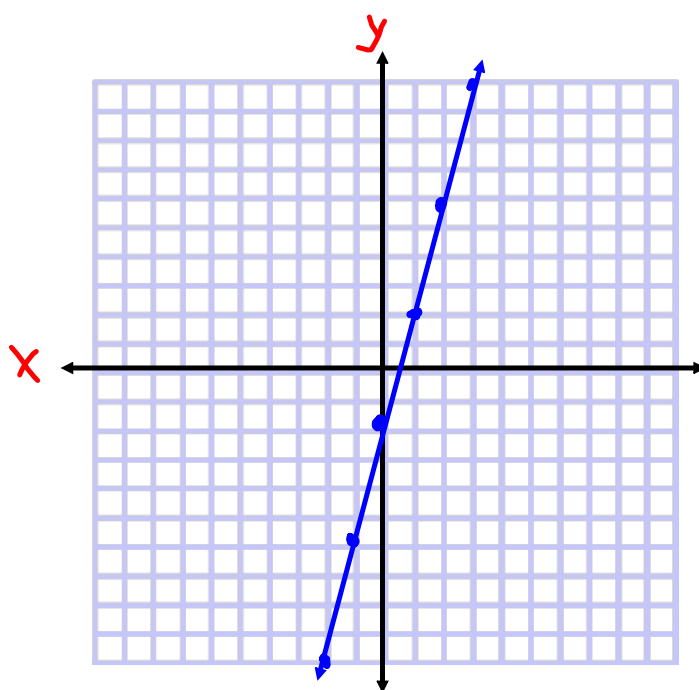
$$m = \frac{3}{4} \begin{cases} \text{rise } 3 \\ \text{run } 4 \end{cases}$$

---

$$m = 3 \quad \begin{array}{l} \text{rise} = 3 \\ \text{run} = 1 \end{array}$$

$$y = 4x - 2$$

x	y
-2	-10
-1	-6
0	-2
1	2
2	6



or

$$m = \frac{4}{1}$$
$$y_{\text{int}} = -2$$

Class / Homework

Worksheet + Midunit review p 181