

# exit ticket

Compare  
Intercepts

Find the missing values:

$$y = 2x \quad (\square, 0)$$

$$y = 2x + 1 \quad (0, \square)$$

$$y = x + 2 \quad (0, \square)$$

$$y = x + 3 \quad (0, \square)$$

$$y = 2x - 7 \quad (0, \square)$$

$$y = 3x - 5 \quad (0, \square)$$

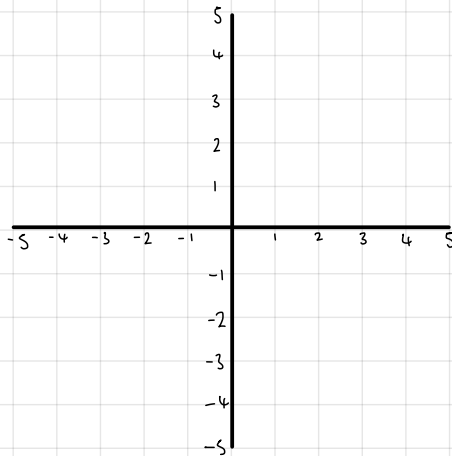
Plot the following.

$$y = 3x + 2$$

$$y = 2x + 2$$

$$y = 2 - x$$

$$y = 2 - 2x$$



What do you  
notice?

---

---

A straight line has a gradient of  $-3$ .

It intercepts the  $y$ -axis at  $(0, 3.5)$

Can you write the equation of the line? \_\_\_\_\_

Bonus! Can you write it as a equation with no decimals? \_\_\_\_\_