

## Extra substitution questions

Example:

$$y = -2x + 3$$

$$y = 3x - 7$$

$$3x - 7 = -2x + 3$$

$$3x + 2x - 7 = 3$$

$$5x - 7 = 3$$

$$5x = 3 + 7$$

$$\frac{5x}{5} = \frac{10}{5}$$

$$x = 2$$

sub  $x = 2$  into  $y = -2x + 3$

$$y = -2 \times 2 + 3$$

$$y = -4 + 3$$

$$y = -1$$

POI (2, -1)

$$y = x + 1$$
$$y = -x + 3$$

$$y = -x + 3$$
$$y = x - 1$$

$$y = x + 1$$
$$y = -x + 5$$

$$y = 2x - 4$$
$$y = -2x + 8$$

$$y = -2 + 8$$
$$y = 2x - 8$$

$$y = -2 + 5$$
$$y = 2x + 1$$

$$y = -3x + 1$$
$$y = 3x + 7$$

$$y = -3x + 5$$
$$y = 3x - 13$$

$$y = 3x + 1$$
$$y = -3x - 11$$

$$y = x + 5$$
$$y = 2x + 5$$

$$y = 3x - 13$$
$$y = x - 5$$

$$y = 2x + 3$$
$$y = -x - 6$$

$$y = 3x - 10$$

$$y = -3x + 8$$

$$y = 2x$$

$$y = -2x + 8$$

$$y = 3x + 17$$

$$y = -2x - 8$$

$$y = 2x + 1$$

$$y = -3x + 11$$

