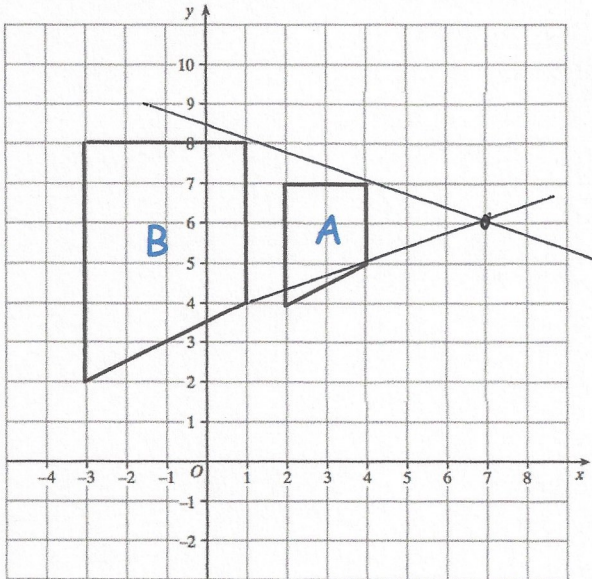


2nd December



Corbettmaths



Describe fully the single transformation that maps shape B onto shape A.

Enlargement by scale factor $\frac{1}{2}$
with centre of enlargement
(7, 6)

Solve, giving your answers to one decimal place.

$$2x^2 + 5x - 10 = 0$$

$$a = 2$$

$$b = 5$$

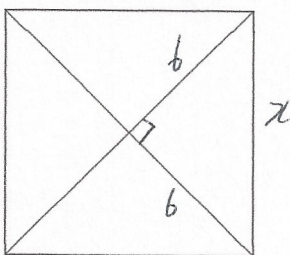
$$c = -10$$

$$x = \frac{-5 \pm \sqrt{5^2 - (4 \times 2 \times -10)}}{2 \times 2}$$

$$\frac{-5 \pm \sqrt{105}}{4}$$

$$x = 1.3 \text{ or } x = -3.8$$

Shown is a square

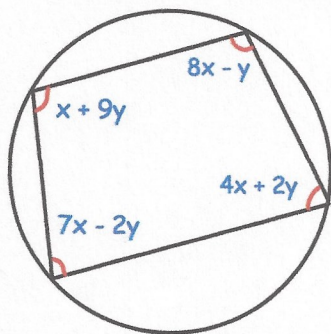


$$b^2 + b^2 = 72$$

$$x = \sqrt{72}$$

The length of each diagonal is 12cm. Find the area of the square.

$$72 \text{ cm}^2$$



Find x and y

$$15x - 3y = 180$$

$$5x + 11y = 180$$

$$x = 14 \quad y = 10$$