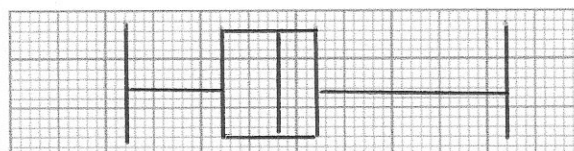


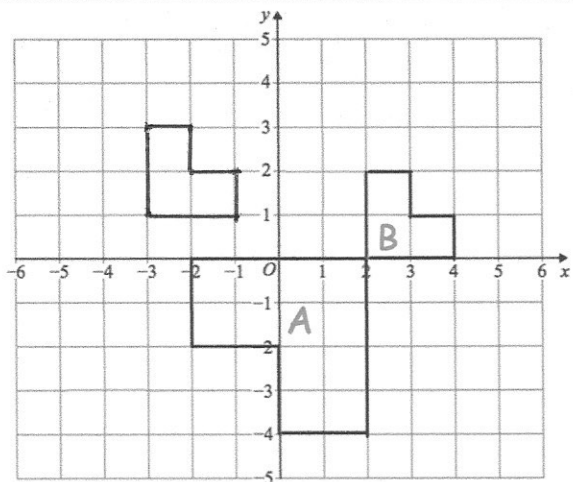


Lowest Value	6
Median	14
Upper Quartile	16
Range	20
Interquartile Range	5

LQ: 11  
highest: 26



Draw a box plot to show this information



Describe fully the single transformation that takes shape A to shape B.

Enlargement  
Scale factor  $-\frac{1}{2}$   
Centre  $(2, 0)$

Translate shape B by the vector

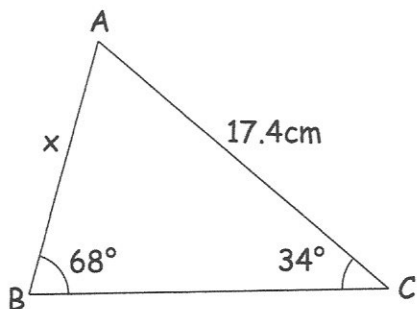
$$\begin{pmatrix} -5 \\ 1 \end{pmatrix}$$

Solve

$$2x^2 + 11x + 5 = 0$$

$$(2x + 1)(x + 5) = 0$$

$$x = -\frac{1}{2} \text{ or } x = -5$$



Find the length of AB.

$$\frac{x}{\sin 34} = \frac{17.4}{\sin 68}$$

$$x = 10.49 \text{ cm}$$