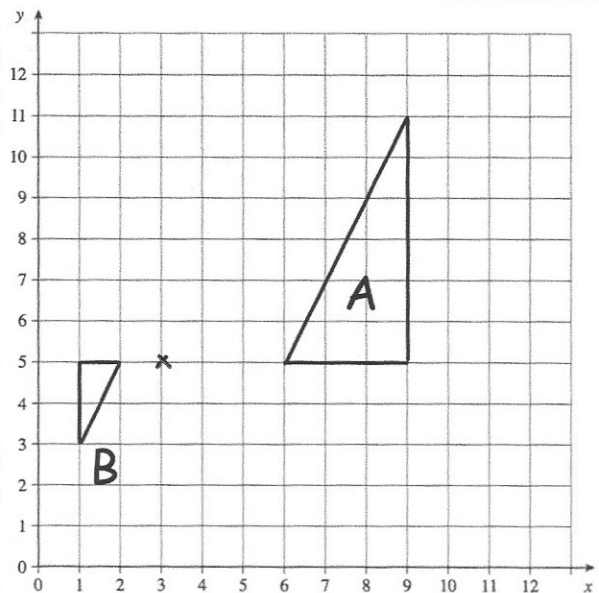




Describe fully the single transformation that maps shape A onto shape B

Enlargement
scale factor $\frac{1}{3}$
centre $(3, 5)$



Work out $196^{\frac{1}{2}}$

$$\sqrt{196} = 14$$

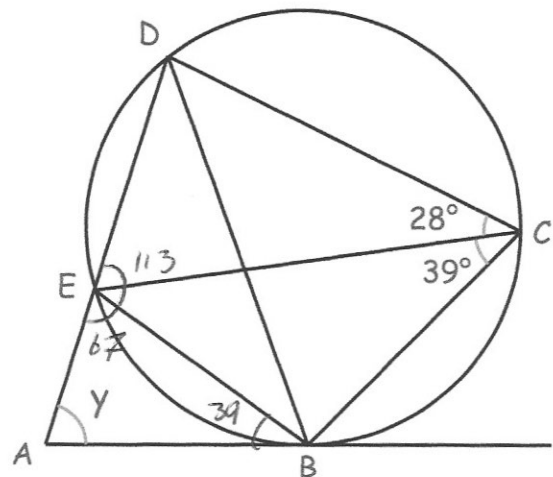
Shown below is cyclic quadrilateral BCDE

AB is a tangent to the circle.

AED is a straight line.

Work out the size of angle y.

$$180 - 67 - 39 = 74^\circ$$



Solve $2x^2 + 5x - 12 = 0$

$$a = 2 \quad b = 5 \quad c = -12$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$= \frac{-5 \pm \sqrt{25 - (-96)}}{4}$$

$$= \frac{-5 \pm \sqrt{121}}{4}$$

$$x = -4 \quad \text{or} \quad x = 1.5$$

or factorise $(2x - 3)(x + 4) = 0$

$$x = 1.5 \quad \text{or} \quad x = -4$$