

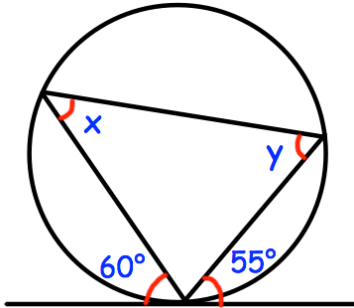
18th November

Corbettmaths

Shape A is translated by vector $\begin{pmatrix} -4 \\ 9 \end{pmatrix}$ to make Shape B.

Shape B is translated by vector $\begin{pmatrix} 8 \\ 0 \end{pmatrix}$ to make Shape C.

Describe the single transformation that maps Shape A to Shape C



Find x and y

Simplify fully

$$\frac{4x^2 - 25}{6x^2 - 11x - 10}$$

Write 1.2525252525... as a fraction.

Martin invests £500 into a savings account that pays X% interest per annum. After 5 years, he has £750 in the account.

Find X