

4th January

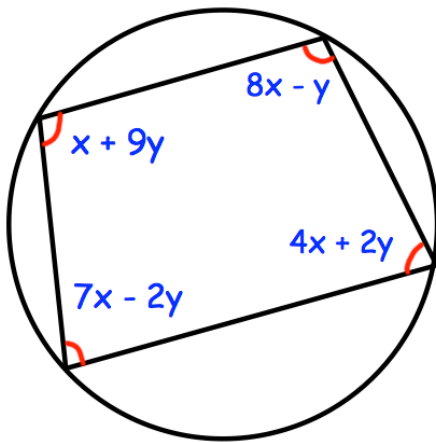


Corbettmaths

$$\mathbf{A} = \begin{pmatrix} 9 & -1 \\ 0 & 4 \end{pmatrix}$$

Work out the matrix $3\mathbf{A}$

Shown is a cyclic quadrilateral

Find the values of x and y The coefficient of the x^2 term in the expansion of $(x + a)^6$ is 3840Find the possible values of a