

28th December

Corbettmaths

Use factor theorem to show that
 $(x - 1)$ is a factor of

$$x^3 - 13x + 12$$

Find where the matrix $\begin{pmatrix} 5 & -2 \\ -1 & 3 \end{pmatrix}$
maps the point $(-3, 1)$

Given $\tan\theta = -\frac{7}{24}$ and θ is reflex

Work out the value of $\sin\theta$

The line $y = 2x - 1$ intersects the
circle $(x - 2)^2 + (y + 5)^2 = 144$
at the points A and B.

Find the coordinates of A and B.