

17th June

Corbettmaths

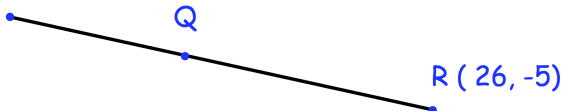
How many points of intersection does the circle $x^2 + y^2 = 9$ have with the line $x + y = 6$?

The transformation matrix $\begin{pmatrix} b & -2 \\ -1 & 3 \end{pmatrix}$ maps the point $(5, 1)$ onto the point $(16, c)$

Find b and c

Solve $\cos\theta = -0.11$ for $0^\circ \leq \theta \leq 360^\circ$

$P(-6, 11)$



$R(26, -5)$

$PQ : PR = 2 : 5$

Find the coordinates of the point Q.