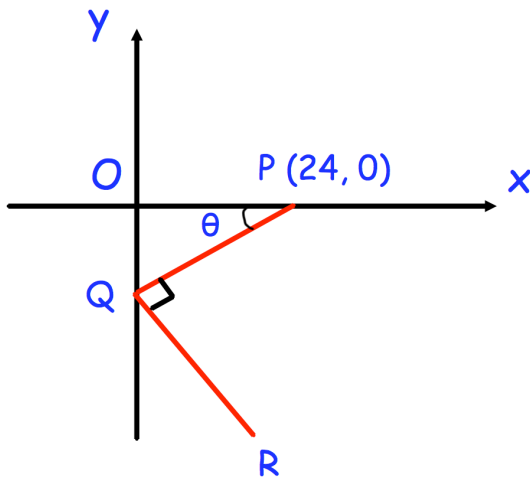


30th June

Corbettmaths

Work out the coefficient of x^4 in the expansion of $(3 + 2x)^6$



Angle $PQR = 90^\circ$

$$\cos \theta = \frac{12}{13}$$

Work out the equation of the line QR

A sphere has radius x cm.
A cylinder has radius $2y$ cm and height $5y$ cm.

The volume of both shapes are equal.

Find $x : y$

