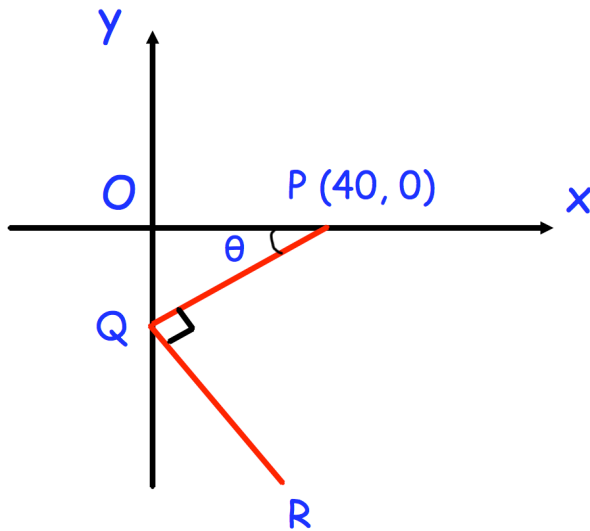


16th October

Corbettmaths

For what values of x is
 $y = x^2 + 3x - 54$ an increasing
function?

Angle $PQR = 90^\circ$

$$\tan \theta = \frac{3}{8}$$

Work out the equation of the line QR

Solve the simultaneous equations

$$2x + 3y + 4z = 18$$

$$x + 2y + 6z = 21$$

$$4 + y + 2z = 1$$