

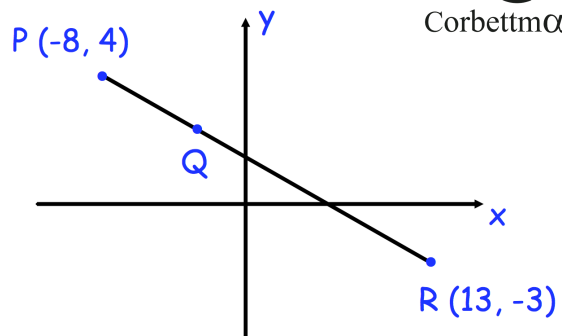
6th February

Corbettmaths

PQR is a straight line.

PQ : QR is 2 : 5

Work out the coordinates of the point Q



Solve the simultaneous equations

$$\frac{y+2}{x-3} = -4 \qquad \frac{y-6}{x+5} = 2$$

Solve $9\cos\theta + 4\sin\theta = 0$
for $90^\circ \leq \theta \leq 360^\circ$