

Edexcel (U.K.) Pre 2017

Questions By Topic

C2 Chap04 Coordinate Geometry

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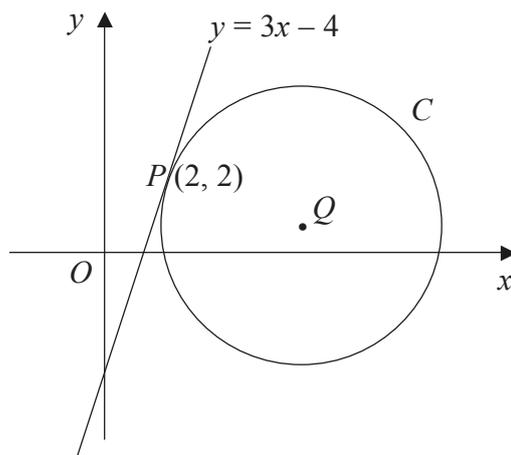


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Figure 1



The line $y = 3x - 4$ is a tangent to the circle C , touching C at the point $P(2, 2)$, as shown in Figure 1.

The point Q is the centre of C .

(a) Find an equation of the straight line through P and Q .

(3)

Given that Q lies on the line $y = 1$,

(b) show that the x -coordinate of Q is 5,

(1)

(c) find an equation for C .

(4)
