

**AQA – Coordinate geometry – A2 Mathematics P2**

1. June/2020/Paper\_2/No.6

The line  $L$  has equation

$$5y + 12x = 298$$

A circle,  $C$ , has centre  $(7, 9)$  $L$  is a tangent to  $C$ .(a) Find the coordinates of the point of intersection of  $L$  and  $C$ .

Fully justify your answer.

**[5 marks]**


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(b) Find the equation of C.

[3 marks]

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