

AQA – Coordinate geometry – AS Mathematics P2

1. June/2020/Paper_2/No.6

A circle has equation

$$x^2 + y^2 + 10x - 4y - 71 = 0$$

(a) Find the centre of the circle.

[2 marks]

(b) Hence, find the equation of the tangent to the circle at the point (1, 10), giving your answer in the form $ax + by + c = 0$ where a , b and c are integers.**[4 marks]**

2. June/2019/Paper_2/No.2

Find the centre of the circle $x^2 + y^2 + 4x - 6y = 12$

Tick (✓) **one** box.

[1 mark]

(-2, -3)

(-2, 3)

(2, -3)

(2, 3)

