AQA – Coordinate geometry – AS Mathematics P2

1. June/2020/Paper_2/No.6

A circle has equation

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

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Hence, find the equation of the tangent to the circle at the point (1 answer in the form $ax + by + c = 0$ where a , b and c are integers	
	[4 r

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)

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3.	June	72019	/Paper	2/IV	0.7

The points A(a, 3) and B(10, 6) lie on a circle.

AB is a diameter of the circle and passes through the point (2, 4)

The circle has equation

$$(x-c)^2 + (y-d)^2 = e$$

where c, d and e are rational numbers.

Find the values of a, c, d and e .	[6 marks

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