

The diagram shows the circle with equation $x^2 + y^2 = 20$. Tangents touching the circle at points B and C pass through the point A (0, 10).

(a)	By letting the equation of a tangent be $y = mx + 10$, find the two possible values of m. [4]

(b)	Find the coordinates of B and C .	[3]
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The	e point D is where the circle crosses the positive x -axis.	
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