

**(a)** Show that  $\angle ABC = 90^\circ$ . [2]

[illegible]

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This image shows a full page of white paper with horizontal dashed lines, typical of primary school handwriting practice paper. The lines are evenly spaced and run across the entire width of the page. There are no margins, text, or other markings present.

The point  $E$  lies on the circumference of the circle such that  $BE$  is a diameter.

- (d) Find an equation of the tangent to the circle at  $E$ .

[5]

[illegible]