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| **Topic 3: Geometry and Trigonometry** | **Trig Equations** |
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| (a) Show that can be written as .(b) Hence or otherwise, solve for .  |  [1 mark][5 marks] |
| Mark scheme:(a) Correct substitution of     (b) Attempting to factor  **OR** Attempting to use the quadratic formula  **Then**   |    A1 AG [1 mark] M1 A1 M1 A1 A1 A1 A1[5 marks] |
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