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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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