

Higher Maths
SQA 2018 Specimen
Paper 1 Question 14



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- (a) Solve $\cos 2x^\circ - 3 \cos x^\circ + 2 = 0$ for $0 \leq x < 360$. 5
- (b) Hence solve $\cos 4x^\circ - 3 \cos 2x^\circ + 2 = 0$ for $0 \leq x < 360$. 2
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Answers:

- (a) $x = 0, 60, 300$
- (b) $x = 0, 30, 150, 180, 210, 330$