(a) Solve $\cos 2x° - 3\cos x° + 2 = 0$ for $0 \leq x < 360$. **5**

(b) Hence solve $\cos 4x° - 3\cos 2x° + 2 = 0$ for $0 \leq x < 360$. **2**

Answers:

(a) $x = 0, 60, 300$

(b) $x = 0, 30, 150, 180, 210, 330$