

Higher Maths question bank :: Paper 1

15. Quadratic trig

1. Solve $\cos 2a + 3 \cos a - 1 = 0$, for $0 \leq a < 2\pi$.
2. Solve $\cos 2x^\circ = \frac{1}{2}$, for $0 \leq x < 180$.
3. Solve $\cos 2t^\circ + 5 \cos t^\circ = -3$, for $0 \leq t < 360$.
4. Solve $3 \cos x = 2 \sin^2 x$, for $0 \leq x < \pi$.