

PROBLEM SHEET 6

(1) (a) $-\cos x$

(b) $-\cos x$

(c) $\cos^2 x - \sin^2 x$ or $2\cos^2 x - 1$

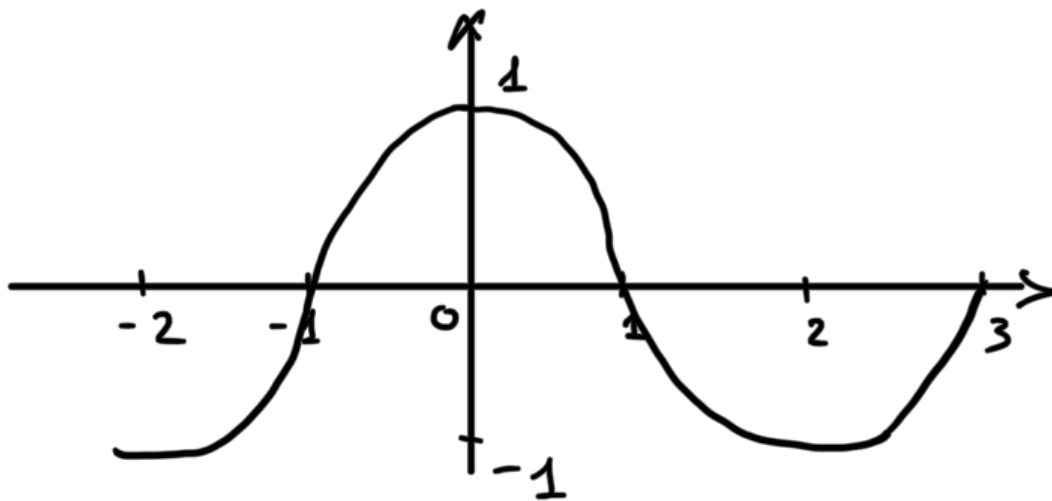
(d) $2\sin x \cos x$

(2) proof

(3) proof

(4) $4\cos^3 x - 3\cos x$

(5)



period = 4

(6)

