

Higher – E&F–HW 6

1. Sketch the curve $y = -2\cos 3x$ for $0 \leq x \leq 2\pi$

2.

Functions f and g are given by $f(x) = 3x + 1$ and $g(x) = x^2 - 2$.

(a) (i) Find $p(x)$ where $p(x) = f(g(x))$.

(ii) Find $q(x)$ where $q(x) = g(f(x))$.