$f(z) = z^4 + az^3 + bz^2 + cz + d$ where a, b, c and d are real constants. Given that -1 + 2i and 3 - i are two roots of the equation f(z) = 0(a) show all the roots of f(z) = 0 on a single Argand diagram,

(b) find the values of a, b, c and d.

(5)