1. The cubic equation

has roots α , β and γ .

Without solving the equation, find the cubic equation whose roots are $(2\alpha - 1)$, $(2\beta - 1)$ and (2y-1), giving your answer in the form $pw^3 + qw^2 + rw + s = 0$, where p, q, r and

 $3x^3 + 5x^2 - 2x + 6 = 0$

s are integers.