- (1) Let z = 2 + 3i and let w = 1 2i. Find:
 - (a) 2z
 - (b) z + w
 - (c) z-w
 - (d) iz
 - (e) zw
 - (f) z^2
 - (g) z/w
- (2) Find all zeros of the polynomials $P(x) = x^6 3x^4 10x^2$.

(3) Factor the polynomial $P(x) = x^4 + 3x^2 - 4$ completely.

(4) Find a polynomial of degree 4 with integer coefficients with zeros 1-i, 2+i.