

- (1) $x^3 - 2x^2 - 11x + 12$
 (2) $x^4 - 9x^3 + 39x^2 - 225x + 350$
 (3) $x^4 + 4x^3 + 4x^2 + 4x + 3$
 (4) $x^5 - 4x^4 - 2x^3 + 8x^2 - 24x + 96$
 (5) $x = -\frac{3}{2}i, \frac{3}{2}i, 3, -1$
 (6) $x = i\sqrt{3}, -i\sqrt{3}, 1, -4$
 (7) $x = 1+i, 1-i, -3, 4$
 (8) $x = 2i, -2i, -6$
 (9) $x = i, -i, -3, 5$
 (10) $x = 2, -2, 2i, -2i$
 (11) $x = -4i, 4i, 2, -6$
 (12) $x = -3i, 3i, -3$
 (13) $x = \pm\sqrt{6}, \pm\sqrt{3}$
 (14) $x = 0, -\frac{1}{2}, x = 3$