1. Use the given zeros to find the remaining zeros of the polynomial.

$f(x) = x^4 + x^3 - 5x^2 - 3x + 6 = (x-1)(x+2)(x^2-3)$

One of the zeros is: $\sqrt{3}$

The remaining three zeros are:

2. Use the given zeros to find the remaining zeros of the polynomial.

$f(x) = x^4 + 2x^3 - 7x^2 + 2x - 8$

One of the zeros is: i

The remaining three zeros are:

3. a) State the other root of the cubic that has these given roots: -5 and $\sqrt{2}$

b) Write the equation of this cubic in STANDARD FORM

4. a) State the other root of the cubic that has these given roots: 3 and $8i$

b) Write the equation of this cubic in STANDARD FORM

5. a) State the other root of the cubic that has these given roots: 1 and $2 - 7i$

b) Write the equation of this cubic in STANDARD FORM