Practice for section 2.5 Zeros of Polynomial functions

The following problems will help you practice the material you learned today. Once you are finished check your solutions. Once done, you can work on your WeBWorK homework.

1. Determine all roots (real and complex) and write in factored form each of these polynomials:
   a. $3x^3 - 4x^2 + 8x + 8$
   b. $12z^3 - 4z^2 - 27z + 9$
   c. $5x^4 + 9x^3 - 7x^2 - 9x + 2$

2. Write a polynomial function which has -2i, 3, and -1 as roots.