Pre-Calculus   Name_____

2.5 – Roots of Polynomial Functions

Find all the roots of each polynomial function.

1. $f(x) = x^3 + 5x^2 + 2x + 10$ 1._____

2. $f(x) = x^3 + 2x^2 - 16$ 2._____

3. $f(x) = x^4 - 5x^3 + 5x^2 - 5x + 4$ 3._____

4. $f(x) = x^4 - 15x^2 + 54$ 4._____

5. $f(x) = x^3 + 3x^2 + 4x + 12$ 5._____

6. $f(x) = x^2 + 2x + 8$ 6._____