Alg 2 Hwk #28 Sec 6-4 Fall 2018 Name

Use another piece of paper to find ALL EXACT Complex solutions by using a combination of graphing, division, and solving (i.e. Quadratic Formula, Completing the Square, Factoring, or Square Roots). Show your work.

1. $x^4 - 4x^3 - 3x^2 - 36x - 108 = 0$

2. $x^5 + 2x^4 - x^3 - 2x^2 - 20x - 40 = 0$

3. $x^3 - 17x^2 + 104x - 238 = 0$

4. $42x^4 + 251x^3 + 203x^2 - 11x - 5 = 0$