

Chapter 4

Worksheet

Name _____

Period _____

Directions: Find all of the zeros of the functions. Show all work.

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

2. $f(x) = x^3 + 3x^2 - 3x - 9$

3. $f(x) = x^3 + x^2 - 8x - 6$

4. $f(x) = x^3 - 6x^2 + 7x + 4$

5. $f(x) = x^4 - 3x^3 - 6x^2 + 6x + 8$

6. $f(x) = x^4 - x^3 - 7x^2 + 5x + 10$

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

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

9. $f(x) = 2x^3 - x^2 - 18x + 9$

10. $f(x) = 3x^3 - x^2 + 27x - 9$

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

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