

SECTION 4.8: ANALYZING GRAPHS OF POLYNOMIAL FUNCTIONS

Homework: _____

Learning Targets:

- 4c. Factor polynomial functions by graphing, grouping, and quadratic techniques.
- 4d. Solve polynomial functions by graphing and factoring.

Maximum and Minimum: The maximum is the _____ turning point. The minimum is the _____ turning point. If there are multiple maximums and/or minimums, call them _____ max or _____ min

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

$$f(x) = x^4 - 8x^2 + 16$$

$$f(x) = x(x - 4)(x + 2)$$