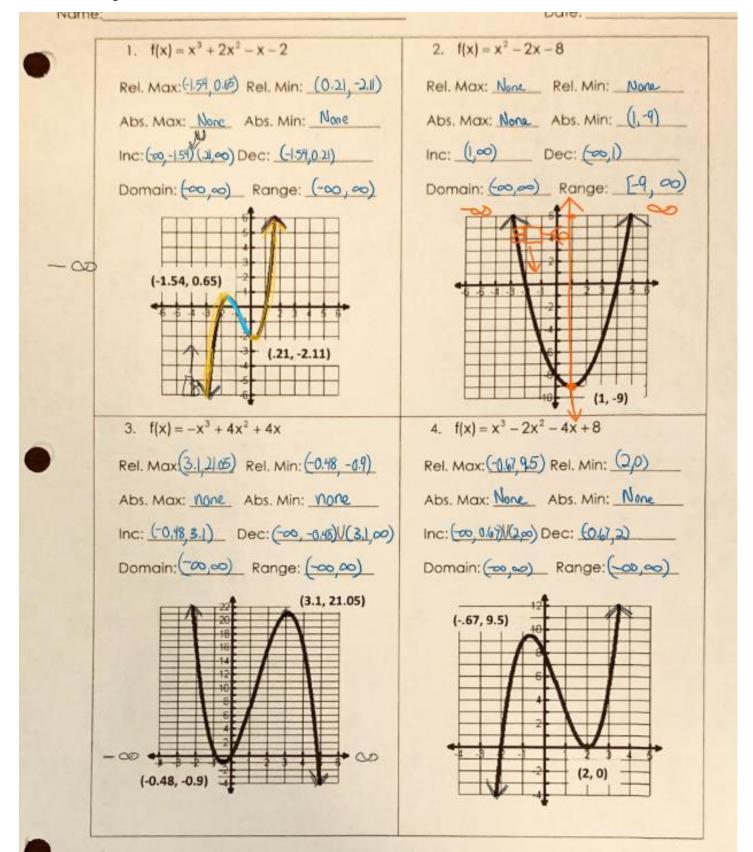
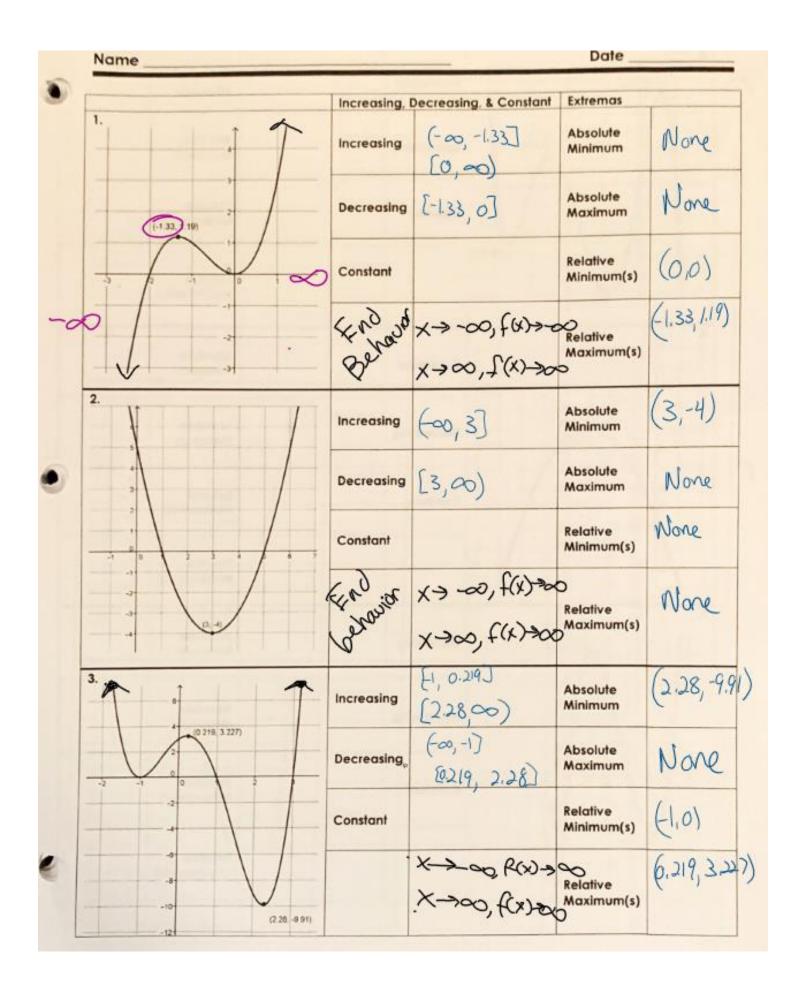
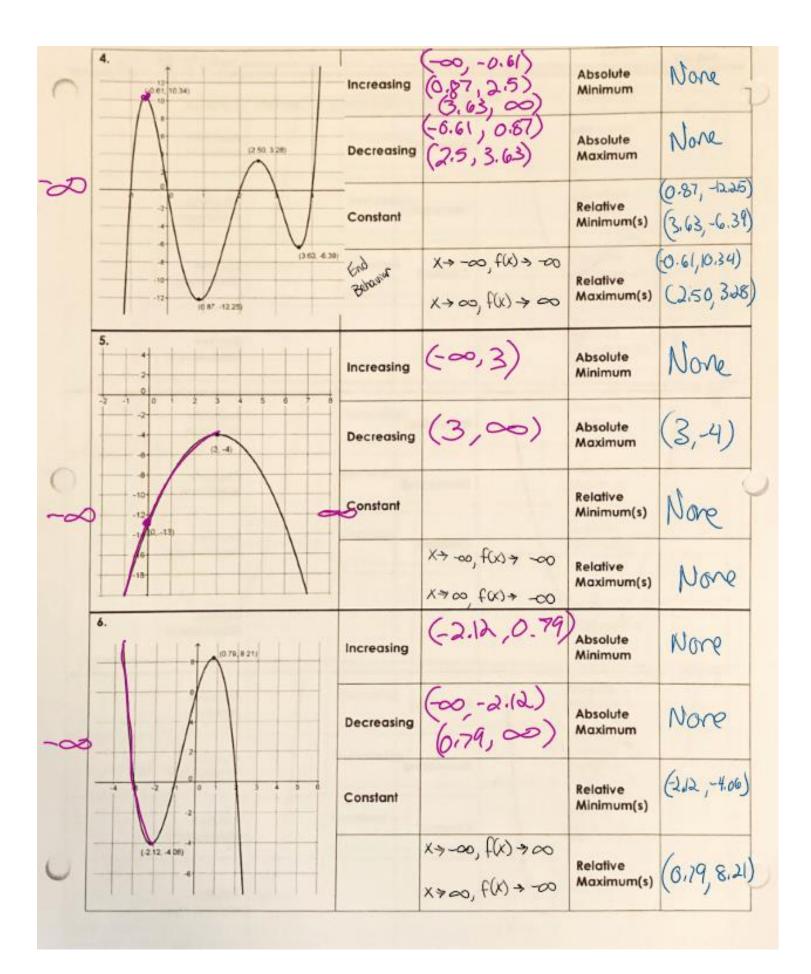


Last Night's Homework



18.2 - Homework Adv. Algebra Polynomials Date: Name: 5.  $f(x) = -2x^2 + x + 6$ 6.  $f(x) = x^3 + 3x^2 - 4x - 12$ Rel. Max: (25,1.1) Rel. Min: (1.5,-131) Rel. Max: None Rel. Min: none Abs. Max: None Abs. Min: None Abs. Max: (0.25,613) Abs. Min: None Inc: (20, 0,25) Dec: (0,25, 00) Inc: (-0, -25) (150) Dec: (-25, 15) Domain: (000) Range: (-00, 6.B) (-2.5, 1.1) + (0.25, 6.13) (1.5, -13.1) Identify the y-intercept and the # of zeros 8.  $f(x) = x^2 + x - 1$ 7.  $f(x) = x^3 - 16$ Y-Int: -16 # of Zeros: 3 Y-Int: \_\_\_\_\_ # of Zeros: \_\_\_\_\_ 9.  $f(x) = 9x^4 + x^3 - 3x - 10$ 10.  $f(x) = x^3 - x - 2$ Y-Int: \_\_\_\_ # of Zeros: \_\_\_\_ Y-Int: \_\_\_\_\_ # of Zeros: \_\_\_\_\_ 12.  $f(x) = -2x^3 + 7$ 11. f(x) = 7xY-Int: 7 # of Zeros: 3 Y-Int: 0 # of Zeros: \_\_\_\_





## Maximums/Minimums and Intervals of Increasing & Decreasing of Graphs

