

Homework – Polynomial Review

- 1) Find all real zeros for the polynomial function $f(x) = x^3 + 3x^2 - 3x - 5$
- 2) Find all solutions for the polynomial function $f(x) = 2x^4 + 5x^3 - 6x^2 - 7x + 6$
- 3) Find all of the x-intercepts for the function $f(x) = (x^4 - 9)(x + \sqrt{2})(x^2 + 5x + 4)$
- 4) Completely factor $2x^3 + 2x^2 - 44x - 80$
- 5) A polynomial has zeros of 3, -2, and $\frac{1}{2}$. Write the polynomial in standard form.