$\ensuremath{\mathsf{BECA}}$ / Huson / Algebra 2: Polynomials 1 December 2023

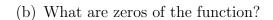
Name:

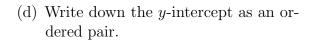
 $\mathbf{2.15}$ Quiz: Quadratic functions and review

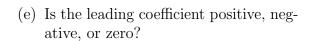
A2-F.IF.7c Graph polynomials, identify zeros, end behavior

9. The polynomial f(x) is graphed below.

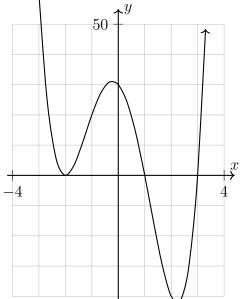












A2-F.BF.2 Write arithmetic and geometric sequences with recursive formulas

10. Write a recursive definition of the sequence $a_1 = 3$, $a_2 = 8$, $a_3 = 13$, $a_4 = 18$, ...

11. Find the difference f(x) - g(x) as a polynomial in standard form, given $f(x) = 4x^4 + 5x^3 - 3x$ and $g(x) = 2x^3 - 2x^2 - 3x - 1$.