

1. Can the graph of a polynomial function have no y-intercept?
2. Can the graph of a polynomial function have 2 y-intercepts?
3. Can the graph of a polynomial function have no x-intercept?
4. Can a cubic function have only 2 x-intercepts?
5. Consider the graph of the polynomial function f shown at right.
 - a) Is the degree of f even or odd?
 - b) Is the leading coefficient positive or negative?
 - c) Explain why we know x^2 is a factor of $f(x)$.
 - d) What is the minimum degree of $f(x)$?

