Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_

Algebra 2 Honor Spiral 15 - Review

|  |
| --- |
| Polynomial Division and Special Factoring  |
| 1. Find the quotient.

a. b. | 1. Factor completely:

a.b. |
| Factoring Polynomials using the Rational Root Theorem |
| 1. Given , (a) write down all possible rational roots (good guesses); (b) completely factor f(x); (c) list all roots of f(x).
 | 1. Given, (a) write down all possible rational roots (good guesses); (b) completely factor f(x); (c) list all roots of f(x).
 |
| Polynomial Equations & Applications  |
| 1. Write the equation of least degree for the graph below. Don’t forget to solve for your “a” value!

  |
| Rational Exponents and Radical Notation  |
| 1. Simplify Completely (no negative exponents):

a.  b.  | 1. Write each of the following radicals in exponent form

a. b.   |