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

Algebra 2 Honor Spiral 16 - Review

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| 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 and Applications | | | |
| 1. Write the equation of least degree for the graph below. | | | |
| Rational Exponents and Radical Notation | | | |
| 1. Simplify completely (no negative exponents): | | 1. Write each radical as an exponential expression.     Simplify | |
| Function operations and Inverses | | | |
| 1. Given  and  find: | 8. Let .   1. Find h-1(x). 2. Explain domain in your own words. Find the domain of h(x). Find the domain of h-1(x). 3. Explain range in your own words. Find the range of h(x). Find the range of h-1(x). | |