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).
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 |
| Polynomial Equations and Applications |
| 1. Write the equation of least degree for the graph below.

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| 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).
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