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

Algebra 2 Honor Spiral 10 Review

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| Solving by Square Roots; Complex Numbers | |
| 1. Solve for all possible values of x.   a.  b. | 1. Solve for all possible values of x. |
| Solving by Completing the Square | |
| Solve the following by completing the square. | |
|  |  |
| Applications of Quadratics | |
| An apple falls out of a tree, from a branch 22 feet high.   1. Write an equation describing the height of the apple at *t* seconds. 2. After how many seconds will the apple hit the ground? 3. When will the apple reach its maximum height? 4. What is the maximum height of the apple? | |
| Exponent Rules | |
| 7. Simplify completely (no negative exponents): | 8. Simplify completely (no negative exponents): |