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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_ | Period: \_\_\_\_\_\_\_ |

Algebra 2 Vocabulary

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | 1  R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | E |  | 2  N |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | C |  | O |  |  |  | 3  D |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | I |  | S |  |  |  | I |  |  |  |  |  |  |  |  |  | 4  T |  |  |  |  |  |  |
|  |  |  |  |  |  |  | P |  | O |  |  |  | S |  |  |  |  | 5  Y |  |  |  |  | W |  |  |  |  |  |  |
|  |  |  |  |  |  |  | R |  | L |  |  |  | C |  |  |  |  | I |  |  |  | 6  P | O | W | E | R |  |  |  |
|  |  |  |  |  |  |  | O |  | U |  | 7  N |  | R |  |  |  |  | N |  |  |  |  | I |  |  |  |  |  |  |
|  |  |  |  |  |  |  | C |  | T |  | A |  | I |  |  |  |  | 8  T | R | I | N | O | M | I | A | L |  |  |  |
|  |  |  |  |  | 9  V |  | A |  | I |  | T |  | M |  |  |  |  | E |  |  |  |  | A |  |  |  |  |  |  |
|  | 10  T | W | O | R | E | A | L | S | O | L | U | T | I | O | N | S |  | R |  |  |  |  | G |  |  |  |  |  |  |
|  |  |  |  |  | R |  |  |  | N |  | R |  | N |  |  |  |  | C |  |  |  |  | I |  |  |  |  |  |  |
|  |  |  |  |  | T |  |  |  |  |  | A |  | A |  |  | 11  B |  | E |  |  | 12  T |  | N |  | 13  I |  |  |  |  |
|  |  |  |  |  | E |  |  |  | 14  B |  | L |  | N |  |  | I |  | P |  |  | E |  | A |  | M |  |  |  |  |
|  |  | 15  I |  |  | X |  |  | 16  P | A | R | E | N | T | F | U | N | C | T | I | O | N |  | R |  | A |  |  |  |  |
|  |  | N |  |  |  |  |  |  | S |  | X |  |  |  |  | O |  |  |  |  |  |  | Y |  | G |  |  |  |  |
|  |  | F |  |  | 17  A |  |  |  | E |  | P |  | 18  A | S | Y | M | P | T | O | T | E |  | S |  | I |  |  |  |  |
|  |  | I |  |  | X |  |  |  |  |  | O |  |  |  |  | I |  |  |  |  |  |  | O |  | N |  |  |  |  |
|  |  | N |  |  | I |  |  |  |  |  | N |  |  |  |  | A |  |  |  |  | 19  O |  | L |  | A |  |  |  |  |
|  |  | I |  |  | S |  | 20  O | N | E | R | E | A | L | S | O | L | U | T | I | O | N |  | U |  | R |  |  |  |  |
|  |  | T |  |  | O |  |  |  |  |  | N |  |  |  |  |  |  |  |  |  | E |  | T |  | Y |  |  |  |  |
|  |  | E |  |  | F |  |  | 21  S | Y | N | T | H | E | T | I | 22  C | D | I | V | I | S | T | I | O | N |  |  |  |  |
|  |  | S |  |  | S |  |  |  |  |  | I |  |  |  |  | O |  |  |  |  | O |  | O |  | U |  |  |  |  |
|  |  | O |  |  | Y |  |  |  |  |  | A |  |  | 23  M | O | N | O | M | I | A | L |  | N |  | M |  |  |  |  |
|  |  | L |  |  | M |  |  |  |  |  | L |  |  |  |  | J |  |  |  |  | U |  | S |  | B |  |  |  |  |
|  |  | U |  |  | M |  |  |  |  |  |  |  |  |  |  | U |  |  |  |  | T |  |  |  | E |  |  |  |  |
|  |  | T |  | 24  V | E | R | T | E | X | F | O | R | M |  |  | G |  |  |  | 25  X | I | N | T | E | R | C | E | P | T |
|  |  | I |  |  | T |  |  |  |  |  |  |  |  |  |  | A |  |  |  |  | O |  |  |  |  |  |  |  |  |
|  | 26  L | O | G | A | R | I | T | H | M | I | C | F | U | N | C | T | I | O | N |  | N |  |  |  |  |  |  |  |  |
|  |  | N |  |  | Y |  |  |  |  |  |  |  |  |  |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Across**  **6.** The inverse of a square root  **8.** An expression with three terms  **10.** When the discriminant is a positive number  **16.** The most basic function in a family of functions  **18.** The imaginary line that the graph approaches and never touches  **20.** When the discriminant is zero  **21.** The non-real way of doing division of polynomials  **23.** An expression with one term  **24.** y=a(x-h)+k  **25.** The point or points where a Quadratic crosses the X-axis  **26.** The inverse of an Exponential Function | **Down**  **1.** The inverse or flip of a number  **2.** Two parallel lines  **3.** The part under the square root in the Quadratic Formula  **4.** When the discriminant is a negative number  **5.** The point where a graph crosses the Y-axis  **7.** The inverse of a Natural Logarithm  **9.** The highest or lowest point on a graph  **11.** An expression with two terms  **12.** The common base of a Logarithm  **13.** The negative of a square root  **14.** The bottom of a Logarithmic or an Exponential Function  **15.** Two lines that are exactly the same  **17.** The line that reflects a graph in half  **19.** The point where two lines intersect  **22.** The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of 3 + 2i is 3 - 2i |

   Vertex       Logarithmic Function       Parent Function       Power       Ten       X Intercept       Asymptote       Natural Exponential       Base       Binomial       Trinomial       Monomial       Reciprocal       Vertex Form       Synthetic Divistion       Imaginary Number       Discriminant       Axis of Symmetry       Two Real Solutions       One Real Solution       Two Imaginary Solutions       Y Intercept       One Solution       No Solution       Infinite Solutions       Conjugate