Unit 5 Quadratic Functions Kiana Thymes

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| **Across**  **2.** A formula that is utialized be a quadratic function  **5.** Highest point on a parabola  **6.** A line that divides a plane figure or graph into two congruent reflected halves  **12.** A value of x that makes the functions value zero  **13.** Expressions of the form Ax^2+Bx^2+C  **18.** X-values of a function  **19.** Lowest point on a parabola  **20.** And numbers with "I" in them  **21.** The square root of a negative number; represented at "I"  **22.** The expression that appears under the square root (radical) sign in the quadratic formula  **24.** Domain of a quadratic function  **25.** A square of a whole number | **Down**  **1.** A u shaped graph formed by a quadratic function where all points are equal distant from focus to a directrix  **3.** (GCF) the largest factor that two or more numbers have in common  **4.** Ax+By=C where A, B, and C are not decimals or fractions A, and B are both not zero and A is not a negative  **7.** The most basic function of a family of functions, or the original function before a transformation is applied  **8.** Where a graphbcrosses the X-axis  **9.** A quadratic function in the form y=a(x-h)^2+k, where (h,k) is the vertex of the parabola and x=h is its axis of symmetry  **10.** The process of changing a sum to a product  **11.** Where a graph crosses the y-axis  **14.** A point or value that marks the ends a line on a graph  **15.** Limitless or endless in space, extent, or size  **16.** A number that when multiplied by itself equals a given number  **17.** The number with equal real part and imaginary part equal in magnitude but opposite in sign  **23.** Y-values of a function  **26.** The solutions to a quadratic equation |