

**Algebra 2**  
**Chapter 5 / Quadratics Unit Review**

11. When you solve a system of equations that has one linear and one quadratic equation, how many solutions are possible? Draw the different scenarios below.

12. When you solve a system of 2 quadratic equations, how many solutions are possible? Draw the different scenarios below.

13. When we graph a quadratic by hand, the gold standard is plotting 5 points.

What is the only point on a parabola that does NOT have a symmetrical partner? \_\_\_\_\_

How do you get the remaining 4 points to graph? \_\_\_\_\_

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14. In this unit, we learned that we can actually find the square root of a negative number.

What is the name of the type of numbers this introduces? \_\_\_\_\_

What is the standard form of this type of number? \_\_\_\_\_

What is the base unit for this new set of numbers? \_\_\_\_ What is its definition? \_\_\_\_\_

We can raise this unit to any whole number power and then simplify, but there are only

4 answers we could possibly get. What are they? \_\_\_\_\_