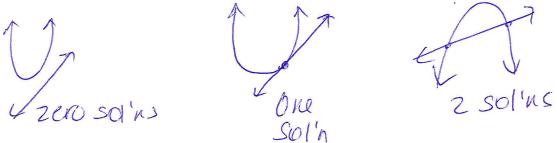
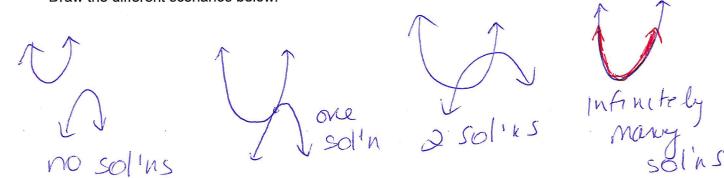
Algebra 2 Chapter 5 / Quadratics Unit Review

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? Ver tex

 How do you get the remaining 4 points to graph? USE Slope "(4/1) from the

 Vertex toget 2 more points. Then find the

 Yint + its partner for the 4th + 6th points.
- 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? Complex I may Mary

 What is the standard form of this type of number? $\underline{a+b}\underline{c}$ What is the base unit for this new set of numbers? \underline{c} What is its definition? $\underline{c} = \sqrt{-1}$ We can raise this unit to \underline{any} whole number power and then simplify, but there are only

 4 answers we could possibly get. What are they? $\underline{c}, \underline{c}, \underline{c}, \underline{c}, \underline{c}, \underline{c}$ \underline{c} \underline{c}