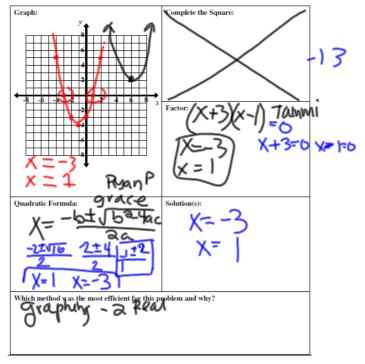
Section 5.2N

Throughout unit 5, you have explored and worked with several methods for solving a quadratic equation. Being able to identify which of those methods to use when working with a situation that is modeled by a quadratic equation is an important part of developing your mathematical knowledge of quadratic functions. The next few examples will compare the various methods.

 Solve the following equation using each method designated. Identify the solution to the equation, and then answer the question in the end of the problem.





Question: What are some tips/tricks that you/ your partner may have about how to choose the most efficient method to solve for a quadratic equation?

D in Standard form

axa Hoxtc = 0

disc = 0 OR perfect sq #

the equation is factorable or

a in standard form:

a graph

disc

positive - 2 Real Rational/Irrational

Negative - 2 Complex (Quadform)

Zero - 1 Real Rational

3 y = a(x-h) + k

Solve by so. roots

page 40

2) Solve the following equation choosing two different methods to use. Identify the solution to the equation, and then asswer the question at the end of the problem.

