*Review 4.1-4.3*

1. Solve by factoring:

2. Solve by the square root method: 17 = 0

3. The graph of a quadratic equation is given. Find any possible solution(s).



4. Given the equation , find the discriminant **and** state the nature of the solution(s).

5. Do the following for the quadratic function . Round answer to 2 decimal places

 where needed.

 a. State the vertex. b. Find the -intercept. c. Find any -intercept(s). d. Graph the parabola.

 e. Write the equation of the axis of symmetry f. State the domain and range.



6. The height in feet, *h*, of a projectile after *t* seconds is given by

 Use your graphing calculator to answer the questions:

 a. When did the launched projectile reach ground level? Round answer to 2 decimal places.

 b. During what interval(s) did the projectile reach an altitude of more than 182 feet?

  Round answer to 2decimal places.

7. Use the graph below to find where .

