hw-05c-advance-equations-in-quadratic-form

Due: **12/12/2015 at 06:00am EST.**

Students will be able to:

- Solve Advance Equations (Degree ¿ 2) in Quadratic Form

Functions and symbols that WeBWorK understands.

Links to some useful WeBWorK pages for students

1. (1 pt) Solve the following equation.

$$x^6 - 4x^3 + 1 = 0$$

Answer: _____
Note: If there is more than one answer, write them separated by commas (e.g., 1, 2).

2. (1 pt) Solve for x: $x^4 - 13x^2 + 36 = 0$
Please enter your answers in the increasing order.

Answer: x = _____, _____, _____, _____

3. (1 pt) Solve the equation $x - 4\sqrt{x} - 5 = 0$ by factoring.

The only solution is $x =$ _____.

4. (1 pt) Solve for x:

$$\left(\frac{x+191}{x-71}\right)^2 - 95\left(\frac{x+191}{x-71}\right) + 1656 = 0$$

The smaller solution is _____.

The larger solution is _____.