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 __________.