

hw-05d-factorable-and-misc-equations

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

Students will be able to:

- Solve Advance Factorable Equations
- Solve Miscellaneous Equations

Functions and symbols that WeBWorK understands.

Links to some useful WeBWorK pages for students

1. (1 pt) Find all real numbers x which satisfy the following equation.

$$(x-1)^5 - 11(x-1)^3 = 0$$

Answer: _____

Note: If there is more than one answer, write them separated by commas (e.g., 1, 2). Do not list individual values of x more than once.

2. (1 pt) Find all real numbers x which satisfy the equation.

$$5x^6 - 10x^2 = 0$$

Answer: _____

Note: If there is more than one answer, write them separated by commas (e.g., 1, 2). Do not list individual values of x more than once.

3. (1 pt) Solve for x : $x^3 - 16x^2 + 48x = 0$

Instructions: enter your answers in the increasing order

Answer: $x =$ _____, _____, _____

4. (1 pt) Solve the equation

$$(x-1)^{-\frac{1}{2}}(x-7) + 4(x-1)^{\frac{1}{2}} = 0$$

$x =$ _____.

5. (1 pt) The equation $4x^4 - 9x^3 - 2x^2 = 0$ has three real solutions A , B , and C where $A < B < C$.

$A =$ _____,

$B =$ _____,

$C =$ _____.