WeBWorK assignment number MPT_Practice_Polynomial_2011 is due : 09/14/2012 at 11:00pm PDT.

The following link
http://mathweb1.sandbox.csun.edu/mpt/
contains other important information about this course.

The primary purpose of WeBWorK is to let you know that you are getting the correct answer or to alert you if you are making some kind of mistake. Usually you can attempt a problem as many times as you want before the due date. However, if you are having trouble figuring out your error, you should consult the book, or ask a fellow student, one of the TA's or your professor for help. Don't spend a lot of time guessing – it's not very efficient or effective.

Give 4 or 5 significant digits for (floating point) numerical answers. For most problems when entering numerical answers, you can if you wish enter elementary expressions such as $2 \wedge 3$ instead of 8, $sin(3 * pi/2)$instead of -1, $e \wedge (ln(2))$ instead of 2, $(2+tan(3)) * (4-sin(5)) \wedge 6-7/8$ instead of 27620.3413, etc. Here's the **list of the functions** which WeBWorK understands.

You can use the Feedback button on each problem page to send e-mail to the professors.

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1. (1 pt) Find all real solutions of the equation $x^2 = 64$.

$x_1 =$ _____ and $x_2 =$ _____ with $x_1 < x_2$!!!

Answer(s) submitted:

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(incorrect)

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2. (1 pt) Find all real solutions of the equation $(x-7)^2 = 9$.

$x_1 =$ _____ and $x_2 =$ _____ with $x_1 < x_2$!!!

Answer(s) submitted:

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(incorrect)

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3. (1 pt) Solve the equation $3x^2 + 28x + 49 = 0$ by factoring.

The solutions are $x_1 =$ _____ and $x_2 =$ _____ with $x_1 \leq x_2$.

Answer(s) submitted:

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(incorrect)

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4. (1 pt) The equation $x^2 + 4x - 1 = 0$ has two solutions A and B where $A < B$
and $A =$ _____ and $B =$ _____

Answer(s) submitted:

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(incorrect)

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5. (1 pt) What number must be added to $4x^2 + 12x$ to form a perfect square?

a. 9

b. -3

c. -2

d. 18

Enter "a", "b", "c", or "d". _____

Answer(s) submitted:

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(incorrect)

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6. (1 pt) If the product of two positive numbers is 10 and their difference is 3, then the larger number is

a. 2

b. 5

c. 3

d. 2

e. 30

Enter "a", "b", "c", "d", or "e". _____

Answer(s) submitted:

- d

(correct)

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7. (1 pt) One of the roots of $x^2 + 6x = 8$ is

a. -4

b. 2

c. $-6+2\sqrt{17}$

d. $-3+\sqrt{17}$

Enter "a", "b", "c", or "d". _____

Answer(s) submitted:

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(incorrect)

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8. (1 pt) If $f(x) = -1 - x + x^3$ and $f(a) = -1$, then all possible values of a are

a. 0 and 1 only

b. 0, 1, and -1

c. 0 only

d. 1 only

e. -1

Enter "a", "b", "c", "d", or "e". _____

Answer(s) submitted:

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(incorrect)

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9. (1 pt) $(\sqrt{3}+2)^2 =$

a. $4\sqrt{3}+7$

b. $4\sqrt{3}+4$

c. 5

d. 13

Enter "a", "b", "c", or "d". _____

Answer(s) submitted:

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(incorrect)

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10. (1 pt) One of the factors of $x^2 - 7x + 6$ is

a. $x+1$

b. $x-1$

c. $x+6$

d. $x-6$

e. $x+6$

Enter "a", "b", "c", "d", or "e". _____

Answer(s) submitted:

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(incorrect)