1. (1 point) `local/WWsample-basic1.pg`
Practice with Rounding:

Enter the number 744/29 as a decimal:

Answer: _____

NOTE: Since this problem does not give any instructions about rounding, the safe thing is to include five or six decimal places in your answer.

Answer(s) submitted:

-

(incorrect)

2. (1 point) `local/WWsample-intermed1.pg`
This sample problem demonstrates how to use a matrix to encode several possible question/answer combinations at once, from which the problem randomly chooses. It also demonstrates how to have inequalities be an answer to a WeBWorK problem (WeBWorK interprets the inequality as an interval).

Write the phrase "z is less than 86" in mathematical notation. (Use != for $\neq$ if that is needed).

_____

Answer(s) submitted:

-

(incorrect)

3. (1 point) `local/WWsample-basic2.pg`
This problem has students solve a randomly chosen quadratic polynomial with positive coefficients and two real solutions. We demonstrate two methods for asking for the answers: either asking for them separately, or as a comma-separated list.

Solve the equation $2x^2 + 13x + 8 = 0$.

Smaller of the two solutions: _____

Larger of the two solutions: _____

Enter the two solutions separated by a comma (order doesn't matter):

_____

Answer(s) submitted:

-
-
-

(incorrect)

4. (1 point) `local/WWsample-mult_choice1.pg`
This is a sample multiple-choice problem.

What is the color of the sky during a cloudless sunny day?

- A. Green
- B. Blue
- C. Red
- D. Yellow
- E. 57

Answer(s) submitted:

-

(incorrect)

5. (1 point) `local/WWsample-string1.pg`
This problem is an example of where the answer is a string. Note that the WeBWorK default is for strings to be case-insensitive.

Is 5 greater than 1 ? Enter YES or NO.

_____

Answer(s) submitted:

-

(incorrect)

6. (1 point) `local/WWsample-list1.pg`
This problem is another example where the answer is a list of numbers.

What are the positive integers less than 4? Enter your answers as a list with the entries separated by commas (order doesn't matter).

_____

Answer(s) submitted:

-

(incorrect)

7. (1 point) `local/WWsample-intermed2.pg`
You have a spinner with red and blue regions. When you spin, it comes up blue 80 percent of the time.

You do an experiment where you spin the spinner 120 times, and it comes up blue 103 times.

(a) What proportion of spins came up blue in your sample?

_____

(b) What normal distribution is a good approximation for the proportions you obtain from such samples, for 120 spins?

mean= _____ standard deviation=_____

(c) Use the normal distribution to compute the approximate probability of having blue come up at least 103 times on 120 spins.

answer=_____

Answer(s) submitted:

-
-
-
-

(incorrect)