

WeBWorK assignment number MPT\_Practice\_Fractions\_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.

1. (1 pt) Enter a T or an F in each answer space below to indicate whether the corresponding statement is true or false. You must get all of the answers correct to receive credit. Your answer for the following statement is \_\_\_

$$\frac{15}{16} < \frac{17}{18}$$

Your answer for the following statement is \_\_\_

$$-\frac{13}{14} < -\frac{14}{15}$$

Answer(s) submitted:

•  
•

(incorrect)

2. (1 pt) Add the fractions, and reduce your answer.

$$\frac{6}{35} \div \frac{5}{36}$$

The reduced answer is \_\_\_ / \_\_\_

Answer(s) submitted:

•  
•

(incorrect)

3. (1 pt) Add the fractions, and reduce your answer.

$$\frac{4}{2} + \frac{13}{13} + 21$$

The reduced answer is \_\_\_ / \_\_\_

Answer(s) submitted:

•  
•

(incorrect)

4. (1 pt) Simplify the expression

$$x + 1 + \frac{2}{x+1}$$

and give your answer in the form of

$$\frac{f(x)}{g(x)}$$

Your answer for the function  $f(x)$  is : \_\_\_\_\_

Your answer for the function  $g(x)$  is : \_\_\_\_\_

Answer(s) submitted:

•  
•

(incorrect)

5. (1 pt)

Simplify the expression

$$\frac{2y^6}{xy - 4y}$$

and give your answer in the form of

$$\frac{f(x)}{g(x)}$$

Your answer for the function  $f(x)$  is : \_\_\_\_\_

Your answer for the function  $g(x)$  is : \_\_\_\_\_

Answer(s) submitted:

•  
•

(incorrect)

6. (1 pt) Simplify the expression

$$\frac{1 + \frac{5}{c-5}}{1 - \frac{5}{c-5}}$$

and give your answer in the form of

$$\frac{f(c)}{g(c)}$$

Your answer for the function  $f(c)$  is : \_\_\_\_\_

Your answer for the function  $g(c)$  is : \_\_\_\_\_

Answer(s) submitted:

•  
•

(incorrect)

---

7. (1 pt) Simplify the expression

$$\frac{\frac{4}{a+h} - \frac{4}{a}}{h}$$

and give your answer in the form of

$$\frac{A}{B}.$$

Your answer for  $A$  is : \_\_\_\_\_

Your answer for  $B$  is : \_\_\_\_\_

Answer(s) submitted:

•  
•

(incorrect)

---

8. (1 pt) Simplify the expression

$$\frac{\frac{5}{x-1} - \frac{1}{x+1}}{\frac{x}{x-1} + \frac{1}{x+1}}$$

and give your answer in the form of

$$\frac{f(x)}{g(x)}.$$

Your answer for the function  $f(x)$  is : \_\_\_\_\_

Your answer for the function  $g(x)$  is : \_\_\_\_\_

Answer(s) submitted:

•  
•

(incorrect)

---

9. (1 pt) Match the expressions below with the letters labeling their equivalent expressions.

You must get all of the answers correct to receive credit.

—1.  $\frac{a + \frac{a}{b-1}}{a - \frac{a}{b-1}}$

—2.  $\frac{\frac{a}{b} - \frac{b}{a}}{\frac{1}{a^2} - \frac{1}{b^2}}$

—3.  $a - \frac{b}{\frac{a}{b} + \frac{b}{a}}$

A.  $\frac{b}{b-2}$

B.  $\frac{a^3}{a^2 + b^2}$

C.  $-ab$

Answer(s) submitted:

•  
•  
•

(incorrect)