WebAssign
**Ejercicio 0 (Homework)**

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Diferencial, section B, Spring 2019
Instructor: Christiaan Ketelaar

**Current Score :** 17 / 17 **Due :** Saturday, February 2, 2019 11:55 PM CST **Last Saved : n/a Saving... ()**

**The due date for this assignment is past.** Your work can be viewed below, but no changes can be made.

**Important!** Before you view the answer key, decide whether or not you plan to request an extension. Your Instructor may *not* grant you an extension if you have viewed the answer key. Automatic extensions are not granted if you have viewed the answer key.

Request Extension

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**1.** 1/1 points | Previous AnswersGettingStartedP2 1.1.001.MC.

**Multiple-Choice Exercise: Option Buttons**

Select your response by clicking one of the option buttons. To change your answer, click another option button. To have WebAssign grade your answer, click **Submit Answer**. A mark is displayed to indicate whether your answer was correct.

Select the option called 'This is the correct answer.'

- This answer is incorrect.
- (•) This is the correct answer.
- This answer is incorrect.

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**2.** 1/1 points | Previous AnswersGettingStartedP2 1.1.002.MC.

**Multiple-Choice Exercise: Drop-Down Menus**

Select your response by choosing an answer from the drop-down list. To change your answer, select another one. To have WebAssign grade your answer, click **Submit Answer**. A mark is displayed to indicate whether your answer was correct.

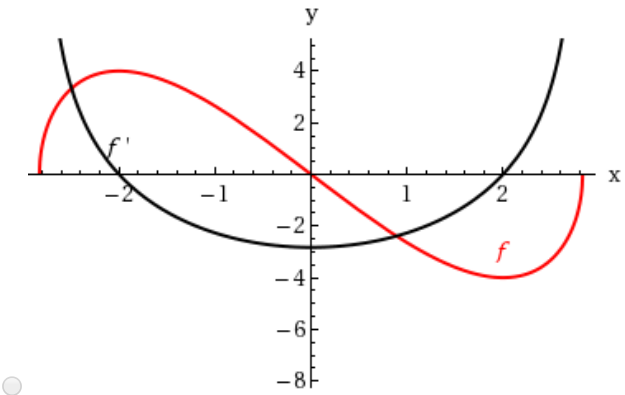
Select the answer called 'correct.'

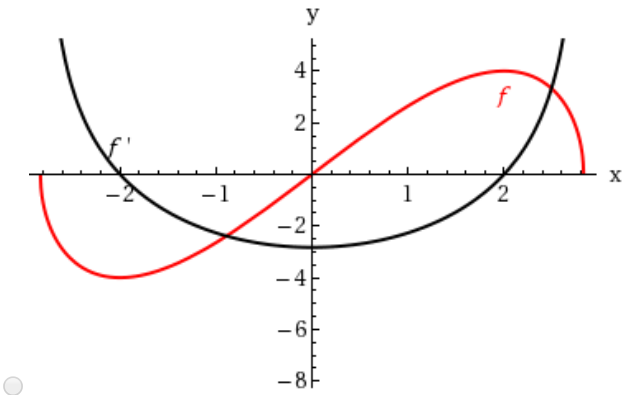
This answer is the [correct] answer.

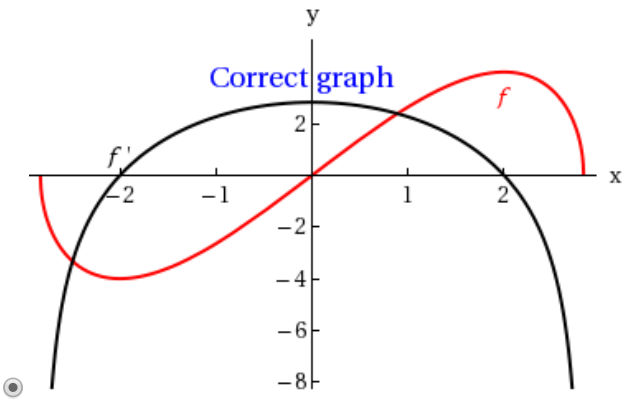
**3.** 1/1 points | Previous AnswersGettingStartedP2 1.1.003.MC_graphs.

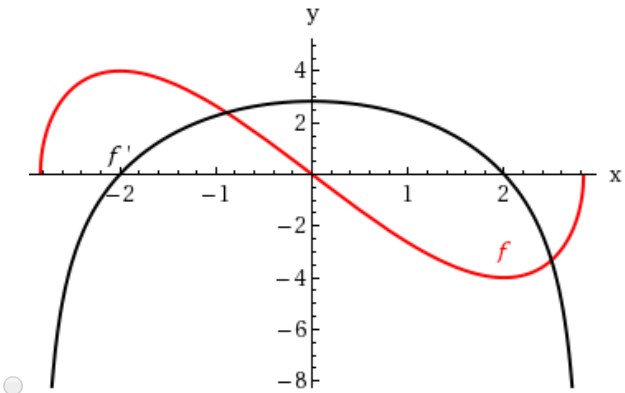
**Multiple-Choice Question: Selecting An Image**

This multiple-choice question uses images as the options next to the option buttons. Select the image containing the text 'Correct graph'.




**4.** 1/1 points | Previous AnswersGettingStartedP2 1.1.004.numerical.

**Answering Numerical Questions**

Numerical questions require you to enter a number. Type the correct answer into the answer box. To have WebAssign grade your answer, click **Submit Answer**. A mark is displayed to indicate whether your answer was correct.

1 + 1 = 2

**5.** 1/1 points | Previous AnswersGettingStartedP2 1.1.005.mathPad.

**Answering mathPad Questions**

WebAssign mathPad questions are displayed with a rectangular answer box similar to answer boxes used for other question types. When you click a mathPad answer box, the mathPad palette opens so you can enter a correctly formatted mathematical expression.

This exercise requires you to enter a mathematical expression. Your answer should be:

$\sqrt{x}$

To enter this answer:

1. Click the answer box to open the mathPad palette.
2. Click the $\sqrt{\square}$ button in the palette.
3. Type $x$
4. Submit your answer.

$$√x

**6.** 1/1 points | Previous AnswersGettingStartedP2 1.1.006.mathPad.

**Entering Variables And Symbols With mathPad**

In mathematics, expressions are case-sensitive: $3x$ is not the same as $3X$. WebAssign follows these rules. You can enter symbols by using the palette that appears when you click inside the answer box.

This exercise requires you to enter a mathematical expression.

Enter $D + p + \pi$

To enter this answer:

1. Click the answer box to open the mathPad palette.
2. Type $D + p +$
3. Click **Symbols** in the palette.
4. Click on the symbol $\pi$ that appears beneath **Symbols**.
5. Submit your answer.

$$D+p+π

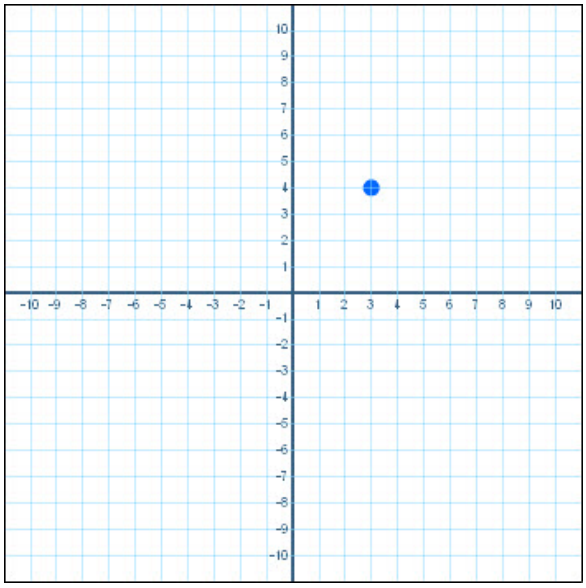
**7.** 1/1 points | Previous AnswersGettingStartedP2 1.1.007.graphing.

**Plotting Points**

Some graphing questions require you to plot points on a set of coordinate axes. To plot a point:

1. Click the Point tool.
2. Click a location in the graph.

In this exercise, you will plot a single point. Your answer should look like this:



Plot the point (3, 4).

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Flash Player version 10 or higher is required for this question.

You can get Flash Player free from Adobe's website.

Submission Data

**8.** 1/1 points | Previous AnswersGettingStartedP2 1.1.010.tutorial.

**Tutorial Questions**

Tutorial questions help you learn by breaking down complicated concepts or procedures into steps.

*Each step must be completed sequentially. Most tutorials let you skip a step if you do not understand it, but you do not receive points for the skipped part, and you cannot go back to the skipped part to answer it later.*

**Tutorial**

Add.

$2 + 3 + 4$

**Part 1 of 3**

Answer each part of a tutorial question in order. Enter the correct answer in the answer box, and then click **Submit**.

To find the sum, first add $2 + 3$.

$(2 + 3) + 4 =$ 5 ✔ $+ 4$

**Part 2 of 3**

If you cannot answer a tutorial part correctly, most tutorials let you skip to the next part. You cannot come back to answer a skipped part later.

You can also use Skip to move forward when a tutorial part only contains instructions and does not contain any answer boxes. For example, this tutorial part does not contain any answer boxes. Click **Skip** to move on to the next tutorial part.

**Part 3 of 3**

After you answer or skip a tutorial part, the answer key for that part is displayed and you cannot change your answer. To complete the tutorial, enter the final answer.

$2 + 3 + 4 = 5 + 4 =$ 9 ✔

You have now completed the tutorial.

*For more information, see the Help System*

**9.** 1/1 points | Previous AnswersGettingStartedP2 1.1.011.numerical.mathPad.

**Rounded and Exact Answers in Mathematics Questions**

If there are no rounding instructions given in a question, then an exact answer is expected. In these cases, do not round or use decimal approximations. For example, do not enter 1.67 when you can enter $\frac{5}{3}$.

This exercise requires you to enter a mathematical expression. Your answer should be:

25/7

25/7 ✔

This exercise requires you to enter a mathematical expression. Your answer should be:

$\sqrt{2}$

To enter this answer:

1. Click the answer box to open the calcPad palette.
2. Click $\sqrt{\square}$ in the palette.
3. Type 2
4. Submit your answer.

$$√2

✔

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**10.** 1/1 points | Previous AnswersGettingStartedP2 1.1.011.numerical.mathPad.PUalt.

**Rounded and Exact Answers in Mathematics Questions**

If there are no rounding instructions given in a question, then an exact answer is expected. In these cases, do not round or use decimal approximations. For example, do not enter 1.66 when you can enter $\frac{5}{3}$.

This exercise requires you to enter a mathematical expression. Your answer should be:

25/7

25/7 ✔

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**11.** 1/1 points | Previous AnswersGettingStartedP2 1.1.012.mathPad.

**Differentiating Standard and Greek Letters**

WebAssign's mathPad can be used to enter many different symbols and variables including standard upper and lower case letters or upper and lower case Greek letters. If a standard letter is required, then enter it by using the keyboard. If a Greek letter is required, then enter it by using the Greek buttons in the mathPad. The buttons for Greek letters can be found by clicking on **Greek** in the palette. Some of these letters look similar, so it is important to understand that they are different. For example, compare the symbols below. The symbol on the left is the lower case Greek letter beta.

$\beta$ $B$

Questions in WebAssign are more likely to use standard letters as variables or symbols unless the specific topic traditionally uses a Greek letter. For example, the Greek letter $\rho$ (rho) is often used to represent density.

This exercise requires you to enter a mathematical expression. Your answer should be:

$\varepsilon + b$

$$ε+b

✔

**12.** 1/1 points | Previous AnswersGettingStartedP2 1.1.013.mathPad.

**Navigating mathPad notation**

WebAssign's mathPad can be used to enter square root symbols, exponents, and other special notation. When you create a square root symbol, exponent, absolute value, subscript, or other type of notation, then your cursor will remain in that notation until you use the arrows on the keyboard or the mouse to move out of that location. For example, if you do not move out of a root symbol, then any subsequent portion of your response will also exist under the root symbol.

This exercise requires you to enter a mathematical expression. Your answer should be:

$\sqrt{x + 1} + 1$

To enter this answer:

1. Click the answer box to open the mathPad palette.
2. Click $\sqrt{\square}$ in the palette.
3. Type $x + 1$
4. Press the right arrow on the keyboard once to move out of the square root sign.
5. Type + 1
6. Submit your answer.

$$\sqrt{x}+1+1

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**13.** 1/1 points | Previous AnswersGettingStartedP2 1.1.014.mathPad.

**Answering mathPad Questions with Trigonometric functions that require the degrees symbol**

WebAssign's mathPad can be used to enter trigonometric functions. Many questions in WebAssign expect that the argument of the trigonometric function will be in radians, but some questions require degrees. Entering the degrees symbol requires the button in the mathPad. Remember that the safest way to ensure that your answer is interpreted as you intended is by using parentheses around the argument of your function.

This exercise requires you to enter a mathematical expression. Your answer should be:

sin(80°)

To enter this answer:

1. Click the answer box to open the mathPad palette.
2. Type sin
3. Notice that parentheses appear. Be sure your cursor is inside the parentheses.
4. Type 80
5. Click **Symbols** in the pallete.
6. Click on the button that appears for the degrees symbol.
7. Submit your answer.

$$sin(80°)

**14.** 1/1 points | Previous AnswersGettingStartedP2 1.1.015.mathPad.

**Answering mathPad Questions with Trigonometric or Logarithmic functions**

WebAssign's mathPad can be used to enter trigonometric or logarithmic functions. If you omit parentheses, spaces are used to help determine the argument of the function and your answer might not be graded as you expect. For example:

log3$x$ is graded as $\log(3) \cdot x$

log 3$x$ is graded as $\log(3x)$

Using parentheses is the safest method to ensure that your response is interpreted as you intended.

This exercise requires you to enter a mathematical expression. Use the keyboard to type your response. Your answer should be:

$\log(6t)\ \ln(7t)$

$$\log(6t)\ \ln(7t)$$

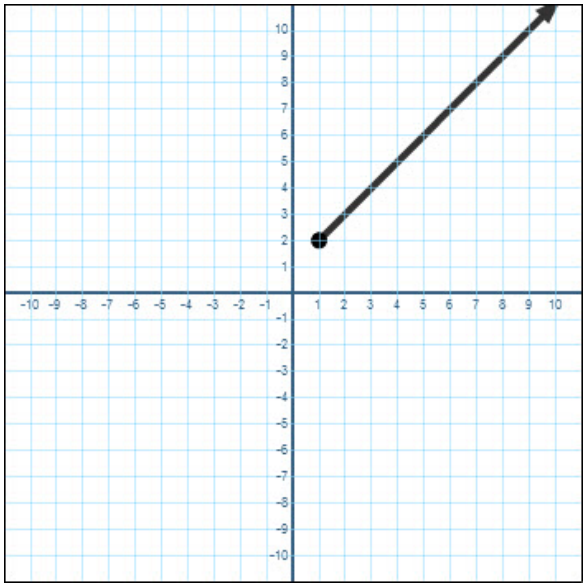
**15.** 1/1 points | Previous AnswersGettingStartedP2 1.1.018.graphing.

**Plotting a Ray**

Some graphing questions require you to plot a ray on a set of coordinate axes. The origin of a ray can be open or closed. To plot a ray:

1. Click the arrow to the right of the Line tool. This will open up two new options.
2. Click on the Ray tool.
3. Click a location in the graph that is the origin of the ray you intend to create.
4. Click a different location in the graph that is also on the ray you intend to create.

In this exercise, you will plot a single ray. Your answer should look like this:



Plot the ray that begins at the closed point (1, 2) and passes through the point (3, 4).

Get ADOBE FLASH PLAYER

Flash Player version 10 or higher is required for this question.

You can get Flash Player free from Adobe's website.

Submission Data

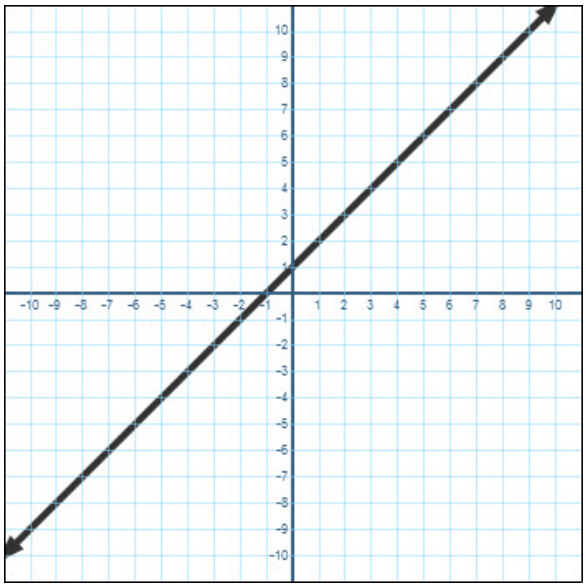
**16.** 1/1 points | Previous AnswersGettingStartedP2 1.1.016.graphing.

**Plotting a Line**

Some graphing questions require you to plot a line on a set of coordinate axes. To plot a line:

1. Click the Line tool.
2. Click a location in the graph that is on the line you intend to create.
3. Click a different location in the graph that is also on the line you intend to create.

In this exercise, you will plot a single line. Your answer should look like this:



Plot the line that passes through the points (0, 1) and (1, 2).

Get ADOBE FLASH PLAYER

Flash Player version 10 or higher is required for this question.

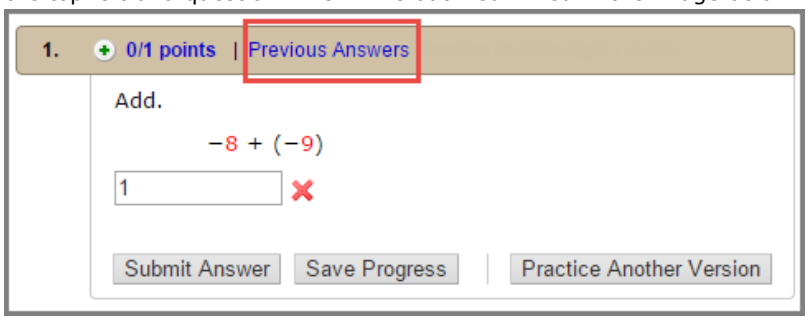
You can get Flash Player free from Adobe's website.

Submission Data

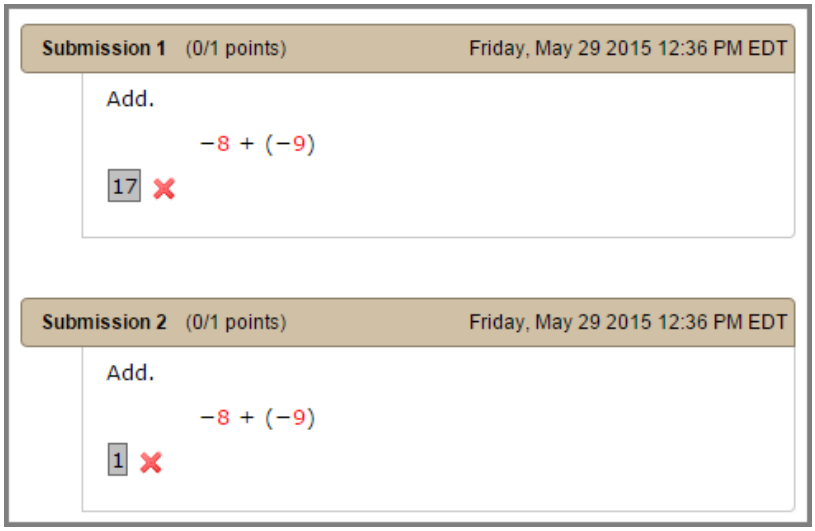
**17.** 1/1 points | Previous AnswersGettingStartedP2 1.1.022.previous.

**Using the Previous Answers Link**

When you submit an answer to a question on an assignment, WebAssign will record your submission and score for that submission. You can view your previous answers for a particular question by using the Previous Answers link that appears near the top left of a question. The link is outlined in red in the image below.




The Previous Answers page displays all of the answers you have submitted for a question. This page only displays information, so you cannot change your answers in this page. Each of your submissions for the question is displayed in order, with the first submission at the top and the most recent submission at the bottom. Each submission also displays a header with the sequence number of the submission and the points earned. The date and time of the submission may also display depending on assignment settings. Look below for an example of what you can find in the Previous Answers page.




What did the student from the example image enter as their first submission to the question?

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