

Example Homework Wrapper

The purpose of this homework assignment is to engage you in a review of some algebra and trigonometry topics that are foundational to success in a calculus course. For each problem, you'll rate your confidence level, solve the problem, and then evaluate your answer with the correct worked solution.

1. Compute the difference quotient of the given function.

$$f(x) = 4x - 9$$

Rate your level of confidence answering this question.	<input type="checkbox"/> I have no idea how to solve this problem.
	<input type="checkbox"/> I am somewhat confident.
	<input type="checkbox"/> I am very confident.

Review your solution with the correct worked solution.	<input type="checkbox"/> I worked the problem correctly.
	<input type="checkbox"/> I made careless mistakes.
	<input type="checkbox"/> I do not understand this problem. / I am not sure where I went wrong.

2. Find the domain and range of the given function.

$$g(z) = -z^2 - 4z + 7$$

Rate your level of confidence answering this question.	<input type="checkbox"/> I have no idea how to solve this problem.
	<input type="checkbox"/> I am somewhat confident.
	<input type="checkbox"/> I am very confident.

Review your solution with the correct worked solution.	<input type="checkbox"/> I worked the problem correctly.
	<input type="checkbox"/> I made careless mistakes.
	<input type="checkbox"/> I do not understand this problem. / I am not sure where I went wrong.

3. Find the inverse of the function.

$$R(x) = x^3 + 6$$

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	<input type="checkbox"/> I am somewhat confident.
	<input type="checkbox"/> I am very confident.

Review your solution with the correct worked solution.	<input type="checkbox"/> I worked the problem correctly.
	<input type="checkbox"/> I made careless mistakes.
	<input type="checkbox"/> I do not understand this problem. / I am not sure where I went wrong.

4. Find the solution to the following equation.

$$4\sin(3t) = 2$$

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	<input type="checkbox"/> I am very confident.

Review your solution with the correct worked solution.	<input type="checkbox"/> I worked the problem correctly.
	<input type="checkbox"/> I made careless mistakes.
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