MAT1222 - Algebra

Module 01 Written Assignment

***Instructions:*** Complete the problem given below. You need to show ***ALL*** of your work and steps. You will also need to explain in English how you solved it and why you did each step. The final item in the problem is a conclusion where you will explain what the answer means for that problem.

1. You want to fence in the area around your pool. Your rectangular pool currently measures 25 feet by 12 feet. If you would like to add a 4’ walkway between the edge of your pool and the fence on all sides, what will the perimeter of the fence be?

Pool

Fence

25’

12’

4’

*Hint:* Use the formula$ P=2w+2l$, where $w=$ width and $l=$ length to solve this problem.

|  |
| --- |
| 1. Solve the problem in the area below. Include all of your steps (you may insert a picture of your work below).
 |
| *Show work here* |
| 1. Explain all of your steps in English below. Make sure you are thoroughly explaining yourself in DETAIL!
 |
| *Include an explanation here* |
| 1. Interpret your answer in a conclusion statement below. (Hint: Answer the question in the word problem.)
 |
| *Conclusion statement here.*  |