

Math 200 - Quiz 1

September 1, 2010

Name _____

Score _____

Show all work to receive full credit. Supply explanations when necessary.

1. (1 point) Clearly state, in order, the steps of Polya's problem-solving process.

2. (1 point) When using the problem-solving process, which one of these strategies would NOT be considered part of carrying out the plan?
 - (a) Implement the plan you decided upon.
 - (b) Keep accurate notes of your work.
 - (c) Sketch a picture.
 - (d) Check your work at each step.

3. (1 point) State two different strategies for looking back.

4. (2 points) A farmer needs to fence a rectangular field. The length of the field is 80 ft longer than the width. If the farmer has 1080 ft of fencing material, what should the length and width of the field be? In conjunction with your approach to solving this problem, **clearly** explain how you used any one step of the problem-solving process.