Math 200 - Quiz 1

January 27, 2010

Name _____

Score _____

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

1. (1 point) Clearly state Polya's four steps (in order).

2. (1 point) When using the 4-step problem-solving process, which one of these strategies would NOT be considered part of looking back?

   (a) Generalize.

   (b) Consider other possible solution methods.

   (c) Keep notes of your work.

   (d) Check your answer in the original wording of the problem.

3. (1 point) Describe two different strategies for carrying out the plan.

4. (2 points) A certain type of gutter comes in 6-foot, 8-foot, and 10-foot sections. How many different lengths can be formed (without cutting) using three sections of gutter? In conjunction with your approach to solving this problem, **clearly** explain how you used any one step of the four-step problem-solving process.