

Answers to Problem Solving Pre-Test

1. b
2. b
3. A good problem:
 - a. Has high interest and appeals to students.
 - b. Involves the understanding or use of multiple math concepts or skills.
 - c. Makes connections within and outside mathematics.
 - d. Can be solved using a variety of problem-solving solution strategies.
 - e. Has multiple answers rather than a single solution.
4. Simple changes that can be done to make a problem better include:
 - a. Ask a different question.
 - b. Reverse the known and the unknown.
 - c. Drop/add/change a condition of the problem.
 - d. Change the problem context/setting.
 - e. Change the numbers.
5. a, d, and e
6. e
7. d
8. a
9. c
10. d
11. b
12. a
13. b
14. c