Section 9.1 Homework - Due: Monday, March 1

Name: _____________________________________________

For #’s 1-5, read pages 449-452 of your textbook and answer the questions.

1. Suppose you measure one side of a picture frame to be 11.4 inches and the other side to be 9.2 inches. If you wanted to find the area enclosed by the picture frame you need to multiply these numbers. In this case, the result would be

\[ 11.4 \times 9.2 = 104.88 \text{ square inches} \]

Based upon the "accuracy procedure used in this book", how would you round this result? Circle the correct answer:

- 104.88 square inches
- 104.8 square inches
- 104.9 square inches
- 105 square inches

2. Which three countries do not use the metric system?

3. What is the definition of length?

4. What is one advantage of using the metric system over the U.S. system?

5. Approximately how long is a meter?

Use the following information to answer #’s 6-11:

1 kilometer (km) = 1000 meters (m)  
100 centimeters (cm) = 1 meter (m)  
1000 millimeters (mm) = 1 meter (m)

6. 5 km = ________ m  
7. 6 m = _________ cm  
8. 5000 mm = _______ m

9. 1 km = ________ cm  
10. 3.85 m = _________ mm  
11. 1700 cm = _______ m

Do the following problems on pages 456-457 of the textbook.

Write the letter (A, B, or C). The following may help: 1 inch is about 2.5 cm.

10. ______  
11. ______  
13. ______  
16. ______  
17. ______  
19. ______  
20. ______  
22. ______  
23. ______  
24. ______  
25. ______  
27. ______
Follow the books instructions for these problems. Write your answer in the blank provided, but show your calculations as shown in Examples 2 & 4 on pages 454-455 in the space provided.

38. _____________

40. _____________

41. _____________

42. _____________

43. _____________

44. _____________

47. _____________

48. _____________

49. _____________

50 _____________

For these last two, write your answer in the blank, but show support in the space provided.

52. _____________

56. _____________