Approximating and Applying Square Roots Practice

1.) The  falls between which two whole numbers?

* 1. 2 and 3
  2. 3 and 4
  3. 9 and 11
  4. 9 and 16

2.) The  falls between which two whole numbers?

* 1. 3 and 4
  2. 5 and 6
  3. 27 and 28
  4. 9 and 16

3.) Martha’s square closet is 24 square feet, what is a reasonable estimate of the side length? \_\_\_\_\_\_ Justify your answer.

4.) Which of the following values falls between the square roots of 25 and 36? Justify your answer.

1. 18
2. 4.8
3. 32
4. 5.4

5.) Josh and Jill bought 196 square acres of land. All four sides of the land are equal. What is the perimeter of the land? \_\_\_\_\_\_

Justify your answer with a model.

6.) The model below can be used to represent the area of a square with a side length of  units.

What is another way to represent the side length of this square?

A. 125 B.  C. 5 D. 