

Math 7 Test
SOL 7.1d—Square Roots

Name: _____

1. Circle all of the values in the box which are perfect squares.

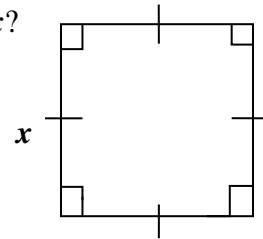
285	49	324	57
169	60	219	25

2. Circle all of the values in the box which are *not* perfect squares.

177	64	325	121
289	20	300	86

3. Jack's backyard is in the shape of a square. If the area of the backyard is 196 m^2 , what is the length of one side of the backyard? Show work and include units.

4. If the area of the figure at right is 81 ft^2 , what is the length of side x ? Show work and include units.



5. Which group of numbers are perfect squares? Circle the letter for your answer choice.

A. 5, 9, 36, 81 B. 25, 49, 65, 100 C. 1, 36, 81, 121 D. 36, 49, 64, 99

Write the square root for each of the following.

6. $\sqrt{256} =$ _____

7. $\sqrt{169} =$ _____

8. $\sqrt{49} =$ _____

9. $\sqrt{400} =$ _____

10. $\sqrt{64} =$ _____

Math SOL 7.1d—Square Roots
Answer Key

1. 49, 324, 169, 25
2. 177, 325, 20, 300, 86
3. 14m
4. 9 ft
5. C
6. 16
7. 13
8. 7
9. 20
10. 8