ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution

Sub: Arithmetic **Class: 7** **Date: 09.07.20**

Duration: 40 Min **Worksheet 53** **Full Marks: 15**

SQUARES AND SQUARE ROOTS

Choose the correct options:

1. What is the square root of 16?
- **a) 2**
- **b) 4**
- **c) 8**
- **d) 16**

2. 3 is the square root of 9 because...
- **a) 3•2 = 9**
- **b) 3 + 3 = 9**
- **c) 3•3 - 3 + 3 = 9**
- **d) 3•3 = 9**

3. Which number is a perfect square?
- **a) 5**
- **b) 10**
- **c) 25**
- **d) 50**

4. What is the square root of 36?
- **a) 4**
- **b) 6**
- **c) 9**
- **d) 18**

5. You can find the square root of any number by...
- **a) dividing the number by 2.**
- **b) adding the number to itself.**
- **c) finding what number multiplied by itself equals the number under the square root.**
- **d) doubling it then subtracting the original number.**

6. $\sqrt{4}$ = ?
- **a) 1**
- **b) 2**
- **c) 4**
- **d) 16**

7. $\sqrt{x} = 5$.

What value of x makes the statement true?
- **a) 10**
- **b) 15**
- **c) 25**
- **d) 50**

8. $9^2 = x$

What value of x makes the statement true?
- **a) 3**
- **b) 18**
- **c) 36**
- **d) 81**

9. $\sqrt{x} = 100$
- **a) 10**
- **b) 10000**
- **c) 200**
- **d) 500**

10. $x^2 = 64$

What value of x makes the statement true?

a) **32**
b) **8**
c) **7**
d) **2**

11. In the following equation, x is the _____ of a square.
$\sqrt{x} = 64$

a) **side length**
b) **area**
c) **diagonal**
d) **none of these**

12. In the following equation, x is the _____ of a square.
$\sqrt{64} = x$

a) **side length**
b) **area**
c) **diagonal**
d) **none of these**

13. In the following equation, x is the _____ of a square.
$\sqrt{52} = x$

a) **side length**
b) **area**
c) **volume**
d) **none of these**

14. In the following equation, x is the _____ of a square.
$\sqrt{x} = 800$

a) **side length**
b) **area**
c) **diagonal**
d) **none of these**

15. In the following equation, x is the _____ of a square.
$x^2 = 121$

a) **side length**
b) **area**
c) **diagonal**
d) **none of these**