



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra and Geometry

Class: 7

Date: 29.06.20

Duration: 40 min

Worksheet Solutions 43

Full Marks: 15

PYTHOGOREAN THEOREM

Choose the Correct options:

Find the third side of the given triangles

1. Base= 65, perpendicular = 72, Hypotenuse =
a. 92 b. 93 c. 95 **d. 97**
2. Base= 3, perpendicular = 4, Hypotenuse =
a. **5** b. 6 c. 7 d. 8
3. Base= 5, perpendicular = 12, Hypotenuse =
a. 11 b. **13** c. 15 d. 17
4. Base= 24, perpendicular = 7, Hypotenuse =
a. **25** b. 27 c. 29 d. 32
5. Base= 20, perpendicular = 21, Hypotenuse =
a. 24 b. 26 c. **29** d. 31
6. Base= 12, perpendicular = 35, Hypotenuse =
a. 43 b. 41 c. 39 **d. 37**
7. Base= 28, perpendicular = 45, Hypotenuse =
a. 46 **b. 53** c. 55 d. 62
8. Base= 60, perpendicular = 11, Hypotenuse =
a. **61** b. 63 c. 65 d. 67
9. Base= 63, perpendicular = 16, Hypotenuse =
a. 64 **b. 65** c. 66 d. 67
10. Base= 55, perpendicular = 48, Hypotenuse =
a. 62 **b. 73** c. 75 d. 57
11. Base= 13, perpendicular = 84, Hypotenuse =
a. **85** b. 86 c. 87 d. 88
12. Base= 36, perpendicular = 77, Hypotenuse =
a. 82 b. 83 **c. 85** d. 87
13. Base= 20, perpendicular = 99, Hypotenuse =
a. 100 **b. 101** c. 102 d. 103
14. Base= 60, perpendicular = 91, Hypotenuse =
a. 100 b. 103 c. 106 **d. 109**
15. Base= 44, perpendicular = 117, Hypotenuse =
a. 120 **b. 125** c. 130 d. 145