Name: _____ Date: _____

# Solving Side Right Triangle Trig - Medium

*Find the missing side length using trigonometric ratios.*

1. Right triangle: angle 54°, adjacent side 12. Find opposite side.
2. Right triangle: angle 43°, adjacent side 11. Find opposite side.
3. Right triangle: angle 65°, adjacent side 14. Find opposite side.
4. Right triangle: angle 55°, adjacent side 13. Find opposite side.
5. Right triangle: angle 55°, adjacent side 12. Find opposite side.
6. Right triangle: angle 48°, adjacent side 14. Find opposite side.
7. Right triangle: angle 58°, adjacent side 8. Find opposite side.
8. Right triangle: angle 50°, adjacent side 11. Find opposite side.
9. Right triangle: angle 61°, adjacent side 14. Find opposite side.
10. Right triangle: angle 38°, adjacent side 10. Find opposite side.

Name: _____ Date: _____

# Solving Side Right Triangle Trig - Medium

*Find the missing side length using trigonometric ratios.*

11. Right triangle: angle 58°, adjacent side 16. Find opposite side.

12. Right triangle: angle 27°, adjacent side 10. Find opposite side.

13. Right triangle: angle 44°, adjacent side 8. Find opposite side.

14. Right triangle: angle 46°, adjacent side 11. Find opposite side.

15. Right triangle: angle 30°, adjacent side 12. Find opposite side.

16. Right triangle: angle 42°, adjacent side 15. Find opposite side.

17. Right triangle: angle 40°, adjacent side 10. Find opposite side.

18. Right triangle: angle 42°, adjacent side 13. Find opposite side.

19. Right triangle: angle 26°, adjacent side 13. Find opposite side.

20. Right triangle: angle 62°, adjacent side 10. Find opposite side.

# Solving Side Right Triangle Trig - Medium - Answer Key

1. Right triangle: angle 54°, adjacent side 12. Find opposite side.

   16.52

2. Right triangle: angle 43°, adjacent side 11. Find opposite side.

   10.26

3. Right triangle: angle 65°, adjacent side 14. Find opposite side.

   30.02

4. Right triangle: angle 55°, adjacent side 13. Find opposite side.

   18.57

5. Right triangle: angle 55°, adjacent side 12. Find opposite side.

   17.14

6. Right triangle: angle 48°, adjacent side 14. Find opposite side.

   15.55

7. Right triangle: angle 58°, adjacent side 8. Find opposite side.

   12.80

8. Right triangle: angle 50°, adjacent side 11. Find opposite side.

   13.11

9. Right triangle: angle 61°, adjacent side 14. Find opposite side.

   25.26

10. Right triangle: angle 38°, adjacent side 10. Find opposite side.

    7.81

# Solving Side Right Triangle Trig - Medium - Answer Key

11. Right triangle: angle 58°, adjacent side 16. Find opposite side.

    25.61

12. Right triangle: angle 27°, adjacent side 10. Find opposite side.

    5.10

13. Right triangle: angle 44°, adjacent side 8. Find opposite side.

    7.73

14. Right triangle: angle 46°, adjacent side 11. Find opposite side.

    11.39

15. Right triangle: angle 30°, adjacent side 12. Find opposite side.

    6.93

16. Right triangle: angle 42°, adjacent side 15. Find opposite side.

    13.51

17. Right triangle: angle 40°, adjacent side 10. Find opposite side.

    8.39

18. Right triangle: angle 42°, adjacent side 13. Find opposite side.

    11.71

19. Right triangle: angle 26°, adjacent side 13. Find opposite side.

    6.34

20. Right triangle: angle 62°, adjacent side 10. Find opposite side.

    18.81