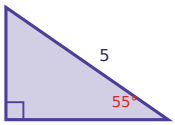
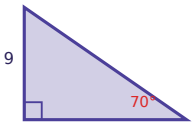
Task card 1 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 55°, and the hypotenuse is 5. Find the length of the side adjacent to θ.



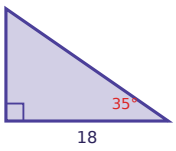
Task card 2 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 70°, and the side opposite θ is 9. Find the length of the hypotenuse.



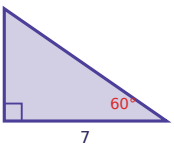
Task card 3 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 35°, and the side adjacent to θ is 18. Find the length of the side opposite θ.



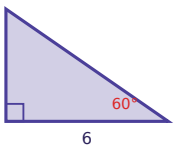
Task card 4 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 60°, and the side adjacent to θ is 7. Find the length of the side opposite θ.



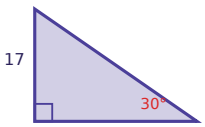
Task card 5 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 60°, and the side adjacent to θ is 6. Find the length of the side opposite θ.



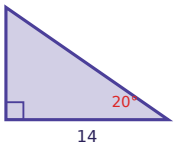
Task card 6 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 30°, and the side opposite θ is 17. Find the length of the hypotenuse.



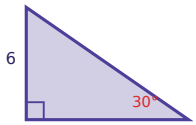
Task card 7 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 20°, and the side adjacent to θ is 14. Find the length of the side opposite θ.



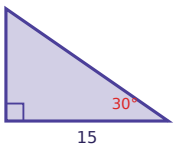
Task card 8 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 30°, and the side opposite θ is 6. Find the length of the side adjacent to θ.



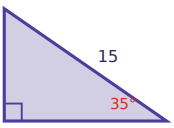
Task card 9 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 30°, and the side adjacent to θ is 15. Find the length of the hypotenuse.



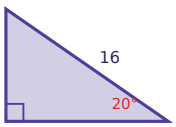
Task card 10 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 35°, and the hypotenuse is 15. Find the length of the side opposite θ.



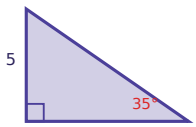
Task card 11 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 20°, and the hypotenuse is 16. Find the length of the side adjacent to θ.



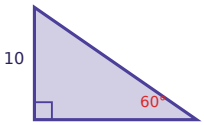
Task card 12 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 35°, and the side opposite θ is 5. Find the length of the side adjacent to θ.



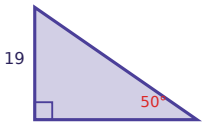
Task card 13 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 60°, and the side opposite θ is 10. Find the length of the side adjacent to θ.



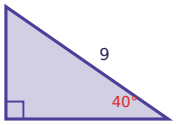
Task card 14 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 50°, and the side opposite θ is 19. Find the length of the hypotenuse.



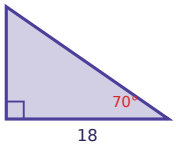
Task card 15 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 40°, and the hypotenuse is 9. Find the length of the side opposite θ.



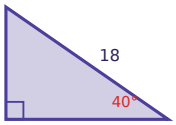
Task card 16 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 70°, and the side adjacent to θ is 18. Find the length of the hypotenuse.



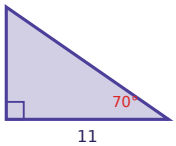
Task card 17 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 40°, and the hypotenuse is 18. Find the length of the side adjacent to θ.



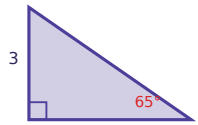
Task card 18 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 70°, and the side adjacent to θ is 11. Find the length of the side opposite θ.



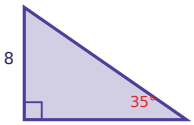
Task card 19 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 65°, and the side opposite θ is 3. Find the length of the side adjacent to θ.



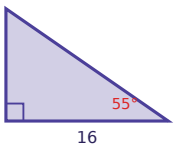
Task card 20 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 35°, and the side opposite θ is 8. Find the length of the side adjacent to θ.



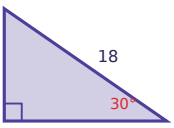
Task card 21 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 55°, and the side adjacent to θ is 16. Find the length of the side opposite θ.



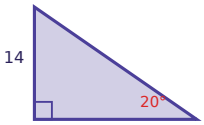
Task card 22 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 30°, and the hypotenuse is 18. Find the length of the side opposite θ.



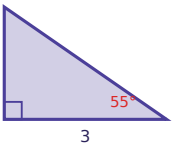
Task card 23 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 20°, and the side opposite θ is 14. Find the length of the hypotenuse.



Task card 24 Solving Right Triangles with Trigo...

In a right triangle, angle θ = 55°, and the side adjacent to θ is 3. Find the length of the hypotenuse.



Solving Right Triangles with Trigonometry Task Cards

Recording sheet · Grade 10 · Use trigonometric ratios to solve. Round to the nearest tenth.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Solving Right Triangles with Trigonometry Task Cards: Answer Key

Grade 10 · Hard

The answers online

1. 2.9	**2.** 9.6	**3.** 12.6
4. 12.1	**5.** 10.4	**6.** 34.0
7. 5.1	**8.** 10.4	**9.** 17.3
10. 8.6	**11.** 15.0	**12.** 7.1
13. 5.8	**14.** 24.8	**15.** 5.8
16. 52.6	**17.** 13.8	**18.** 30.2
19. 1.4	**20.** 11.4	**21.** 22.9
22. 9.0	**23.** 40.9	**24.** 5.2