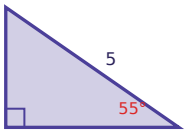
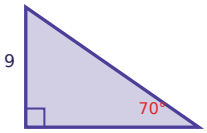
Solving Right Triangles with Trigonometry · 1

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



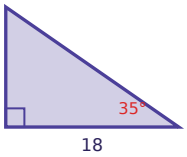
Solving Right Triangles with Trigonometry · 2

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



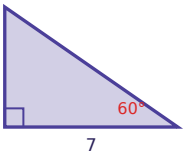
Solving Right Triangles with Trigonometry · 3

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



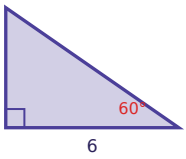
Solving Right Triangles with Trigonometry · 4

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



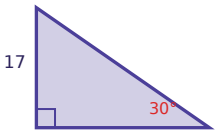
Solving Right Triangles with Trigonometry · 5

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



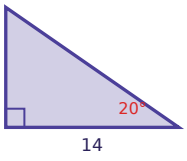
Solving Right Triangles with Trigonometry · 6

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



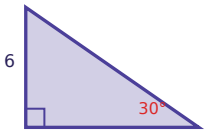
Solving Right Triangles with Trigonometry · 7

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



Solving Right Triangles with Trigonometry · 8

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



Solving Right Triangles with Trigonometry · 2

ANSWER

9.6

Solving Right Triangles with Trigonometry · 1

ANSWER

2.9

Solving Right Triangles with Trigonometry · 4

ANSWER

12.1

Solving Right Triangles with Trigonometry · 3

ANSWER

12.6

Solving Right Triangles with Trigonometry · 6

ANSWER

34.0

Solving Right Triangles with Trigonometry · 5

ANSWER

10.4

Solving Right Triangles with Trigonometry · 8

ANSWER

10.4

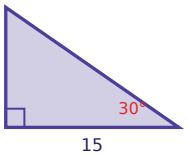
Solving Right Triangles with Trigonometry · 7

ANSWER

5.1

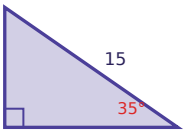
Solving Right Triangles with Trigonometry · 9

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



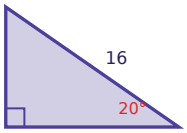
Solving Right Triangles with Trigonometry · 10

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



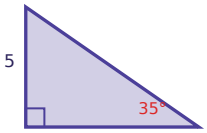
Solving Right Triangles with Trigonometry · 11

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



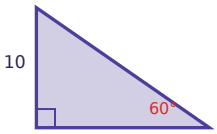
Solving Right Triangles with Trigonometry · 12

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



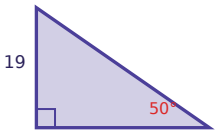
Solving Right Triangles with Trigonometry · 13

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



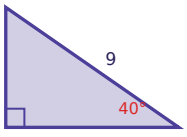
Solving Right Triangles with Trigonometry · 14

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



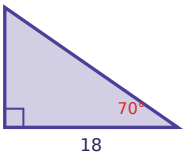
Solving Right Triangles with Trigonometry · 15

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



Solving Right Triangles with Trigonometry · 16

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



Solving Right Triangles with Trigonometry · 10

ANSWER

8.6

Solving Right Triangles with Trigonometry · 9

ANSWER

17.3

Solving Right Triangles with Trigonometry · 12

ANSWER

7.1

Solving Right Triangles with Trigonometry · 11

ANSWER

15.0

Solving Right Triangles with Trigonometry · 14

ANSWER

24.8

Solving Right Triangles with Trigonometry · 13

ANSWER

5.8

Solving Right Triangles with Trigonometry · 16

ANSWER

52.6

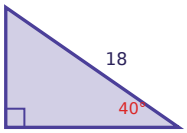
Solving Right Triangles with Trigonometry · 15

ANSWER

5.8

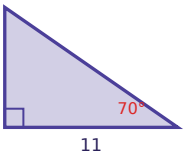
Solving Right Triangles with Trigonometry · 17

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



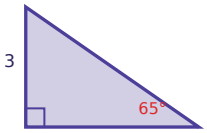
Solving Right Triangles with Trigonometry · 18

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



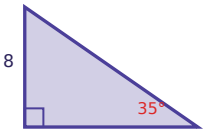
Solving Right Triangles with Trigonometry · 19

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



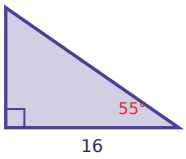
Solving Right Triangles with Trigonometry · 20

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



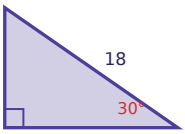
Solving Right Triangles with Trigonometry · 21

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



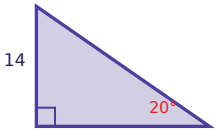
Solving Right Triangles with Trigonometry · 22

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



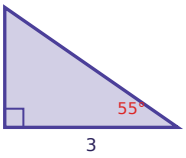
Solving Right Triangles with Trigonometry · 23

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



Solving Right Triangles with Trigonometry · 24

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 · 18

ANSWER

30.2

Solving Right Triangles with Trigonometry · 17

ANSWER

13.8

Solving Right Triangles with Trigonometry · 20

ANSWER

11.4

Solving Right Triangles with Trigonometry · 19

ANSWER

1.4

Solving Right Triangles with Trigonometry · 22

ANSWER

9.0

Solving Right Triangles with Trigonometry · 21

ANSWER

22.9

Solving Right Triangles with Trigonometry · 24

ANSWER

5.2

Solving Right Triangles with Trigonometry · 23

ANSWER

40.9