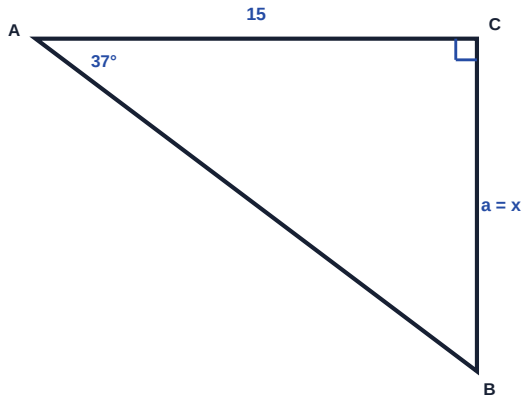


Solving Right Triangles

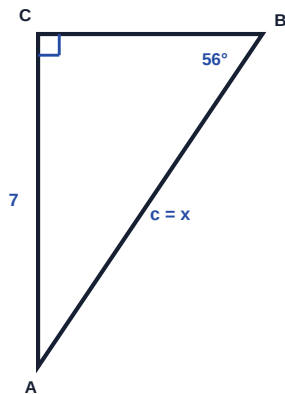
Use a, b, and c opposite A, B, and C, with C the right angle. Find the requested side and round only the final answer to the nearest tenth.

1. Find side a. Round the final answer to the nearest tenth.



a =

2. Find side c. Round the final answer to the nearest tenth.

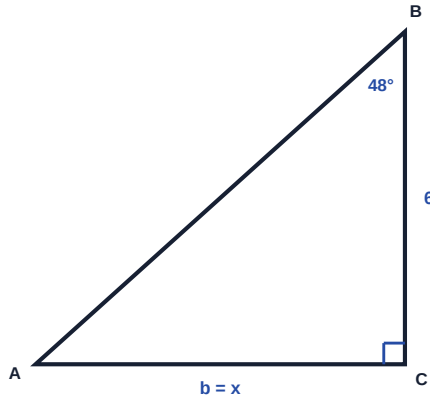


c =

Solving Right Triangles

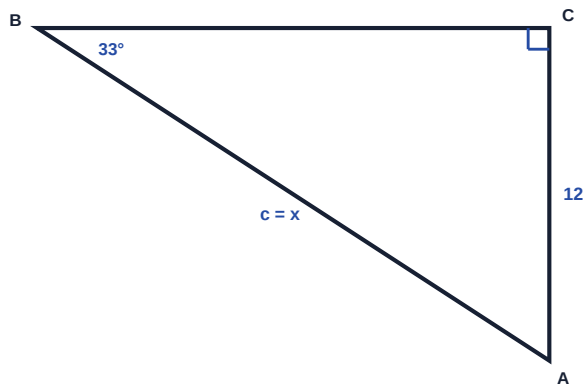
Use a, b, and c opposite A, B, and C, with C the right angle. Find the requested side and round only the final answer to the nearest tenth.

3. Find side b. Round the final answer to the nearest tenth.



b =

4. Find side c. Round the final answer to the nearest tenth.

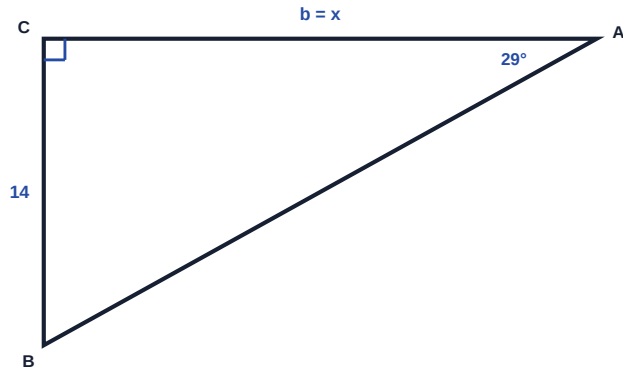


c =

Solving Right Triangles

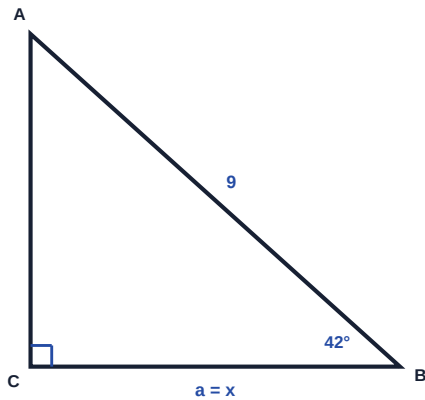
Use a, b, and c opposite A, B, and C, with C the right angle. Find the requested side and round only the final answer to the nearest tenth.

5. Find side b. Round the final answer to the nearest tenth.



b =

6. Find side a. Round the final answer to the nearest tenth.

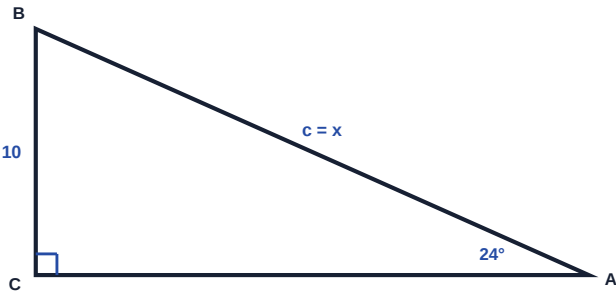


a =

Solving Right Triangles

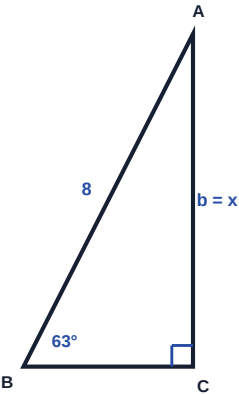
Use a, b, and c opposite A, B, and C, with C the right angle. Find the requested side and round only the final answer to the nearest tenth.

7. Find side c. Round the final answer to the nearest tenth.



c =

8. Find side b. Round the final answer to the nearest tenth.



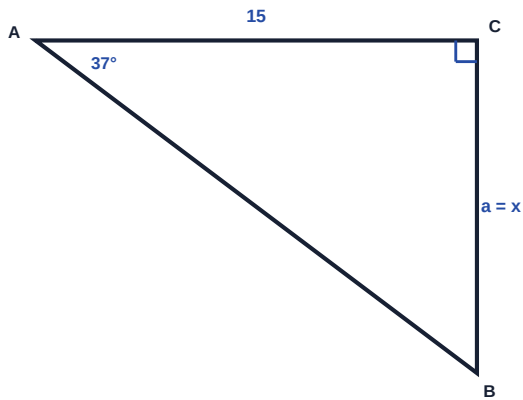
b =

Solving Right Triangles

Worked Answer Key

Use a, b, and c opposite A, B, and C, with C the right angle. Find the requested side and round only the final answer to the nearest tenth.

1. Find side a. Round the final answer to the nearest tenth.



$$\tan(37^\circ) = x/15$$

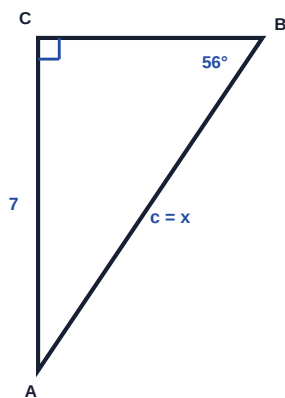
$$x = 15 * \tan(37^\circ)$$

$$x = 15 * \tan(37^\circ); x \text{ is approximately } 11.3.$$

$$a = 11.3$$

Using the exact printed angle and side gives a approximately 11.3.

2. Find side c. Round the final answer to the nearest tenth.



$$\sin(56^\circ) = 7/x$$

$$x = 7 / \sin(56^\circ)$$

$$x = 7 / \sin(56^\circ); x \text{ is approximately } 8.4.$$

$$c = 8.4$$

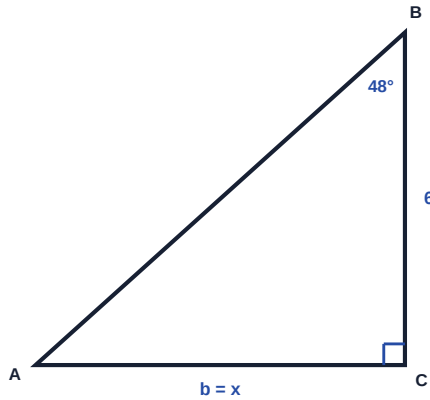
Using the exact printed angle and side gives c approximately 8.4.

Solving Right Triangles

Worked Answer Key

Use a, b, and c opposite A, B, and C, with C the right angle. Find the requested side and round only the final answer to the nearest tenth.

3. Find side b. Round the final answer to the nearest tenth.



$$\tan(48 \text{ deg}) = x/6$$

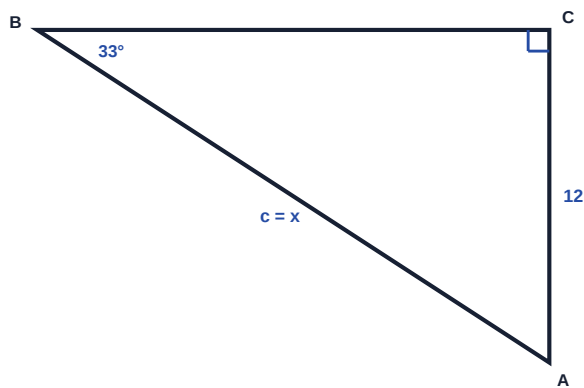
$$x = 6 * \tan(48 \text{ deg})$$

$$x = 6 * \tan(48 \text{ deg}); x \text{ is approximately } 6.7.$$

$$b = 6.7$$

Using the exact printed angle and side gives b approximately 6.7.

4. Find side c. Round the final answer to the nearest tenth.



$$\sin(33 \text{ deg}) = 12/x$$

$$x = 12 / \sin(33 \text{ deg})$$

$$x = 12 / \sin(33 \text{ deg}); x \text{ is approximately } 22.0.$$

$$c = 22.0$$

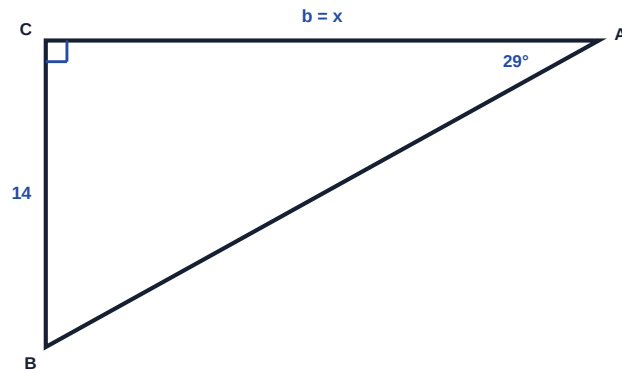
Using the exact printed angle and side gives c approximately 22.0.

Solving Right Triangles

Worked Answer Key

Use a, b, and c opposite A, B, and C, with C the right angle. Find the requested side and round only the final answer to the nearest tenth.

5. Find side b. Round the final answer to the nearest tenth.



$$\tan(29 \text{ deg}) = 14/x$$

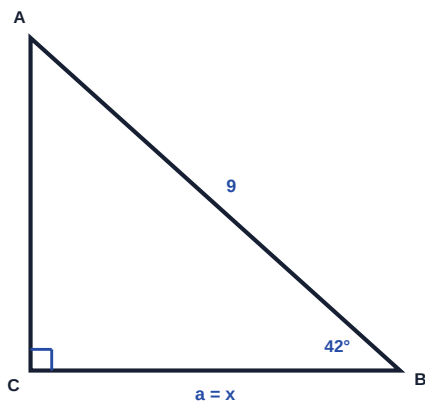
$$x = 14 / \tan(29 \text{ deg})$$

$$x = 14 / \tan(29 \text{ deg}); x \text{ is approximately } 25.3.$$

$$b = 25.3$$

Using the exact printed angle and side gives b approximately 25.3.

6. Find side a. Round the final answer to the nearest tenth.



$$\cos(42 \text{ deg}) = x/9$$

$$x = 9 * \cos(42 \text{ deg})$$

$$x = 9 * \cos(42 \text{ deg}); x \text{ is approximately } 6.7.$$

$$a = 6.7$$

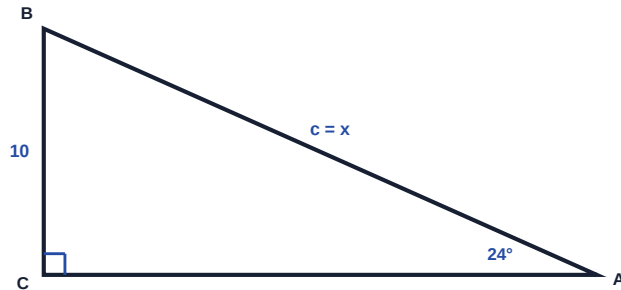
Using the exact printed angle and side gives a approximately 6.7.

Solving Right Triangles

Worked Answer Key

Use a, b, and c opposite A, B, and C, with C the right angle. Find the requested side and round only the final answer to the nearest tenth.

7. Find side c. Round the final answer to the nearest tenth.



$$\sin(24 \text{ deg}) = 10/x$$

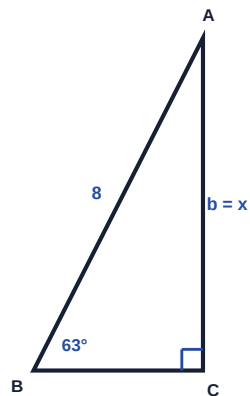
$$x = 10 / \sin(24 \text{ deg})$$

$$x = 10 / \sin(24 \text{ deg}); x \text{ is approximately } 24.6.$$

$$\mathbf{c = 24.6}$$

Using the exact printed angle and side gives c approximately 24.6.

8. Find side b. Round the final answer to the nearest tenth.



$$\sin(63 \text{ deg}) = x/8$$

$$x = 8 * \sin(63 \text{ deg})$$

$$x = 8 * \sin(63 \text{ deg}); x \text{ is approximately } 7.1.$$

$$\mathbf{b = 7.1}$$

Using the exact printed angle and side gives b approximately 7.1.