

Practice***Simplifying Square Roots******Simplify each expression.***

1. $\sqrt{169}$

2. $\sqrt{36}$

3. $\sqrt{25}$

4. $\sqrt{300}$

5. $\sqrt{75}$

6. $\sqrt{45}$

7. $\sqrt{3} \cdot \sqrt{6}$

8. $\sqrt{3} \cdot \sqrt{7}$

9. $\sqrt{5} \cdot \sqrt{30}$

10. $\frac{\sqrt{35}}{\sqrt{7}}$

11. $\frac{\sqrt{25}}{\sqrt{64}}$

12. $\sqrt{\frac{64}{16}}$

13. $\frac{\sqrt{5}}{\sqrt{3}}$

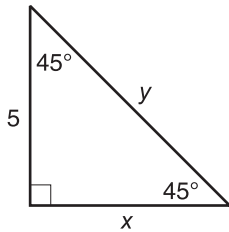
14. $\frac{\sqrt{3}}{\sqrt{5}}$

15. $\sqrt{\frac{2}{10}}$

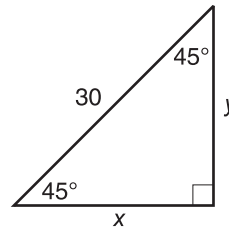
Practice

 45° - 45° - 90° Triangles*Find the missing measure. Write all radicals in simplest form.*

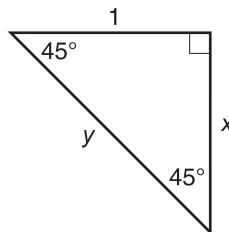
1.



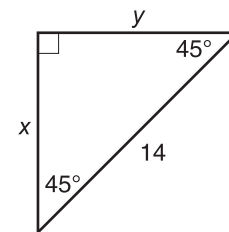
2.



3.



4.



5. Find the length of a diagonal of a square with sides 10 inches long.

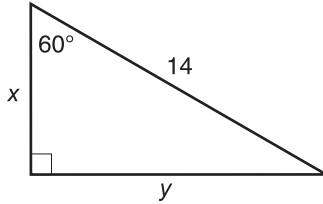
6. Find the length of a side of a square whose diagonal is 4 centimeters.

Practice

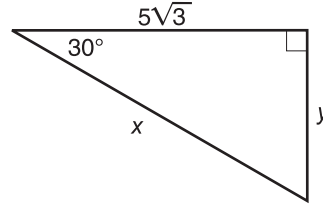
30° - 60° - 90° Triangles

Find the missing measures. Write all radicals in simplest form.

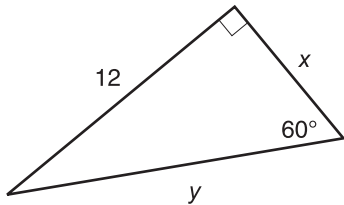
1.



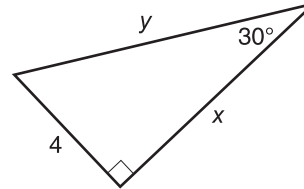
2.



3.

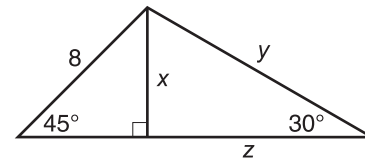


4.



5. One side of an equilateral triangle measures 6 cm. Find the measure of an altitude of the triangle.

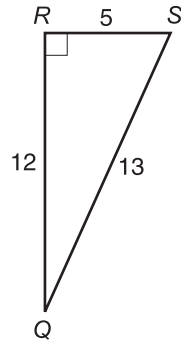
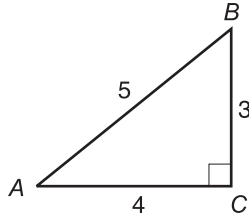
6. Find the missing measures in the triangle. Write all radicals in simplest form.



Practice

Tangent Ratio

Find each tangent. Round to four decimal places, if necessary.



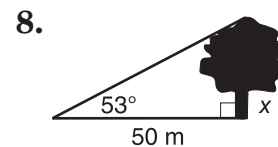
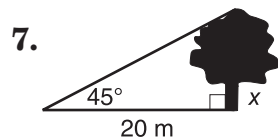
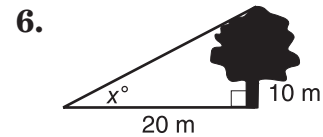
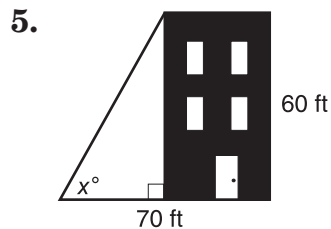
1. $\tan A$

2. $\tan B$

3. $\tan S$

4. $\tan Q$

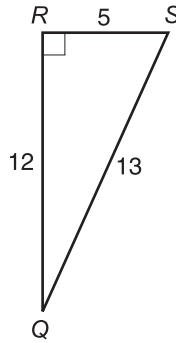
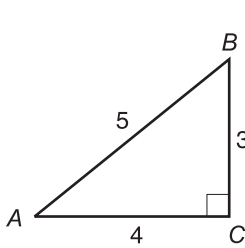
Find each missing measure. Round to the nearest tenth.



Practice

Sine and Cosine Ratios

Find each sine or cosine. Round to four decimal places, if necessary.



1. $\sin A$

2. $\sin B$

3. $\cos Q$

4. $\cos S$

Find each measure. Round to the nearest tenth.

