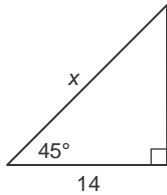


8-3 Practice

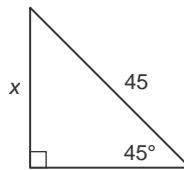
Special Right Triangles

Find x .

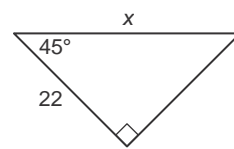
1.



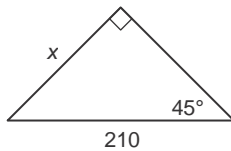
2.



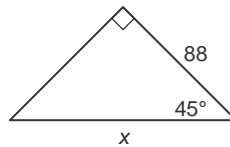
3.



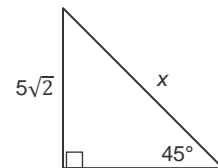
4.



5.

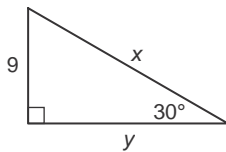


6.

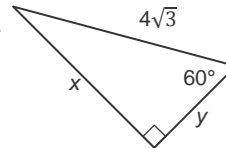


Find x and y .

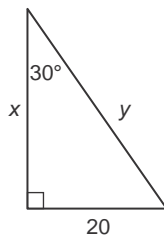
7.



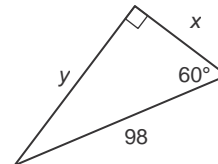
8.



9.



10.



11. Determine the length of the leg of $45^\circ-45^\circ-90^\circ$ triangle with a hypotenuse length of 38.

12. Find the length of the hypotenuse of a $45^\circ-45^\circ-90^\circ$ triangle with a leg length of 77 centimeters.

13. An equilateral triangle has an altitude length of 33 feet. Determine the length of a side of the triangle.

14. **BOTANICAL GARDENS** One of the displays at a botanical garden is an herb garden planted in the shape of a square. The square measures 6 yards on each side. Visitors can view the herbs from a diagonal pathway through the garden. How long is the pathway?

