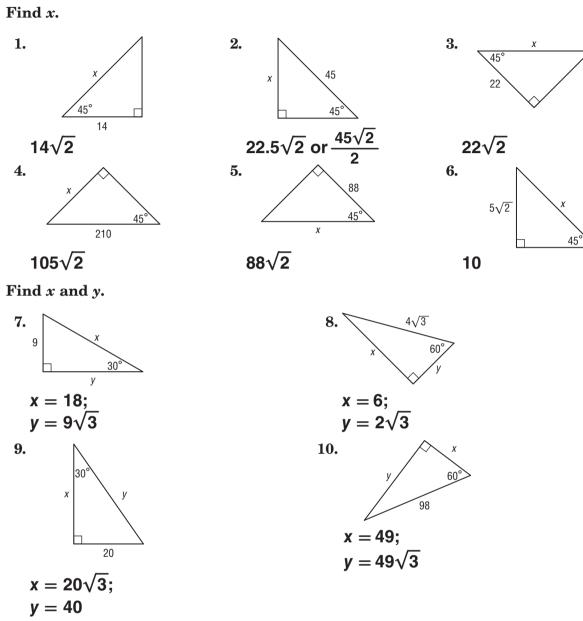
8-3 Practice

Special Right Triangles



- 11. Determine the length of the leg of $45^{\circ}-45^{\circ}-90^{\circ}$ triangle with a hypotenuse length of 38. $19\sqrt{2}$
- **12.** Find the length of the hypotenuse of a $45^{\circ}-45^{\circ}-90^{\circ}$ triangle with a leg length of 77 centimeters. **77** $\sqrt{2}$ cm
- 13. An equilateral triangle has an altitude length of 33 feet. Determine the length of a side of the triangle. $22\sqrt{3}$ ft
- 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?

$6\sqrt{2}$ yd or about 8.49 yd

