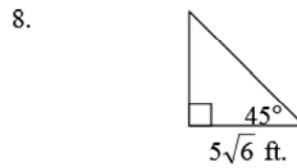
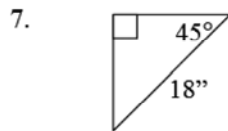
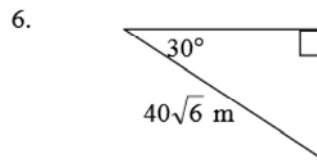
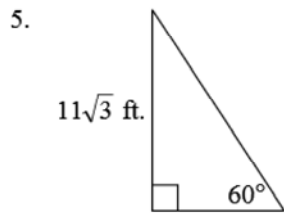
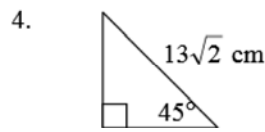
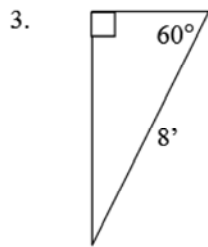
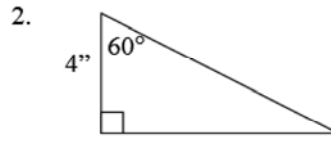
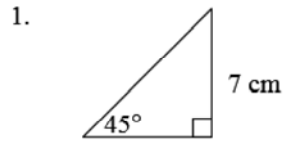


Find the missing sides. Leave answers is simplified radical form. (no calculator-show work!)



9-17. Simplify. Leave answers is simplified radical form. Show your work! (no calculator)

9. $\sqrt{245}$

10. $(2\sqrt{3})^2$

11. $\frac{\sqrt{32}}{\sqrt{4}}$

12. $2\sqrt{54} + \sqrt{96}$

13. $\frac{17}{\sqrt{3}}$

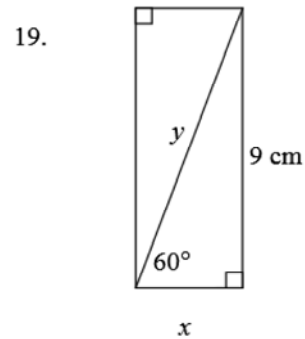
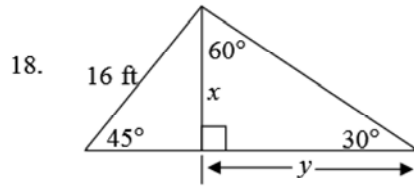
14. $\sqrt{75} + 4\sqrt{2} - \sqrt{3}$

15. $7\sqrt{16} - \sqrt{24}$

16. $3\sqrt{5} \cdot 9\sqrt{2}$

17. $\frac{30\sqrt{7}}{5}$

18-19. Find both x and y . Leave answers in simplified radical form.



20-21 Find the area of the figures. Draw a picture and round to nearest tenth, if necessary.

20. A circle inscribed in a square with side 14 in.

21. An isosceles trapezoid with bases 8" and 20" and base angles of 45 degrees.

22. A polygon in which the angles and the sides are equal is called a _____ polygon.

23. Find the sum of the interior angles of a dodecagon.

24. Find the area of an equilateral triangle with side 10 inches. Round to nearest tenth.

25. Find the measure of one exterior angle of a regular 20-gon.

26. Find the measure of one interior angle of a regular 15-gon.