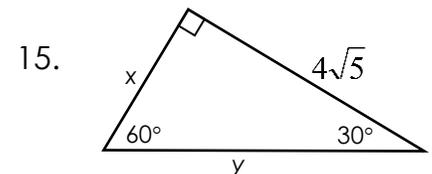
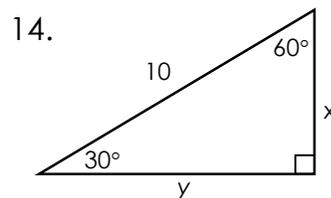
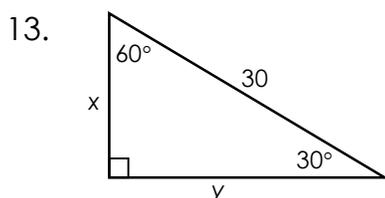
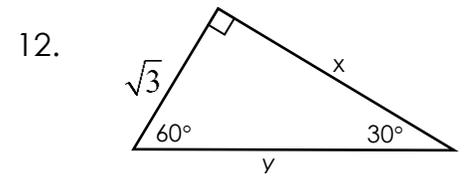
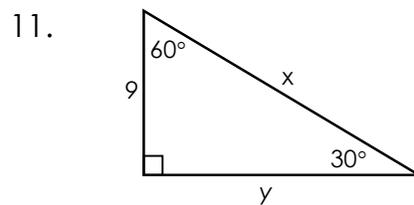
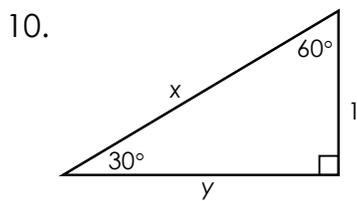
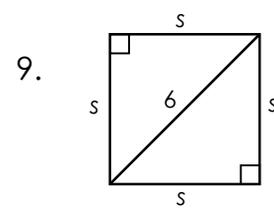
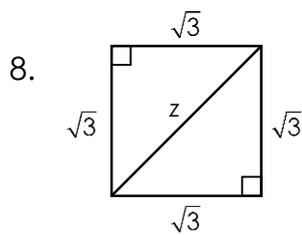
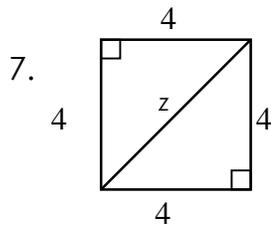
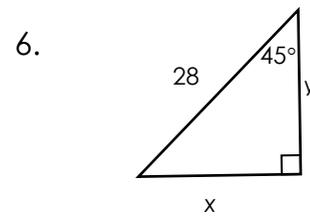
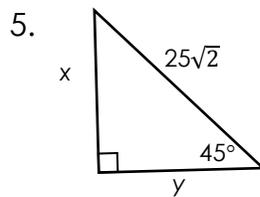
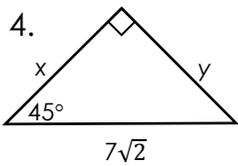
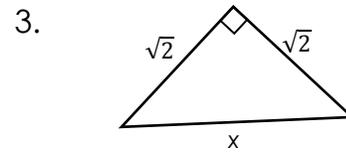
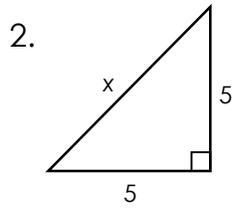
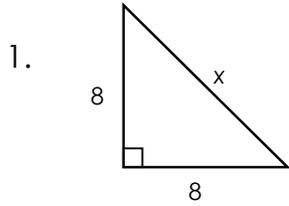
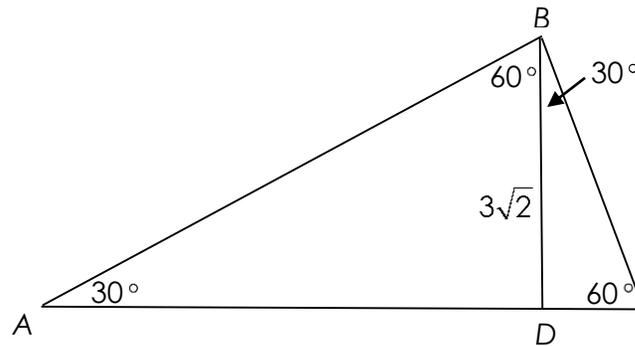
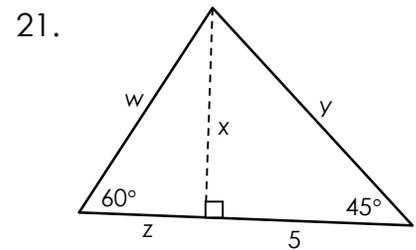
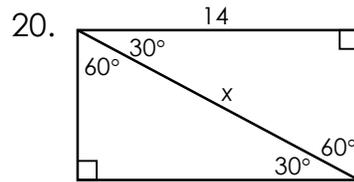
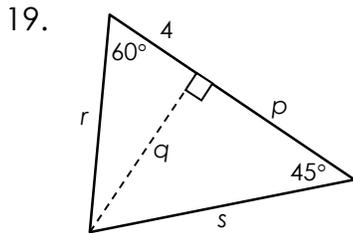
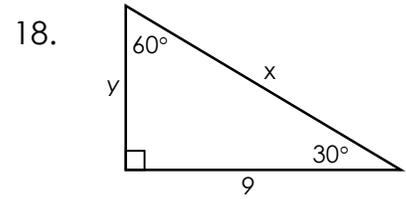
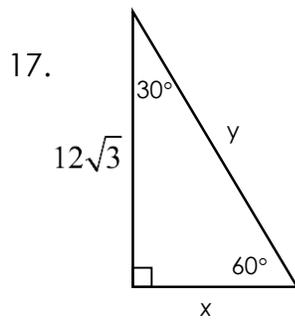
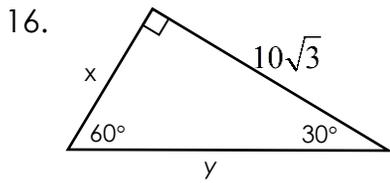


9.2 Special Right Triangles

Find the values of the variables. Leave your answers in simplest radical form, if needed.





Use the diagram above to complete each statement.

22. $m\angle ADB =$ _____ 25. $AB =$ _____
 23. $DC =$ _____ 26. $AD =$ _____
 24. $BC =$ _____ 27. $AC =$ _____

28. At a time of day when the sun can be sighted at an angle of 60° above the horizon, a flagpole casts a shadow that is 21 feet long. How tall is the flagpole?
 Hint : Draw a picture.

29. The perimeter of a square is 72. What is the length of the diagonal of the square?
 Hint: Draw a picture.

30. Find the length of the altitude of an equilateral triangle with perimeter 48.
 Hint: Draw a picture.