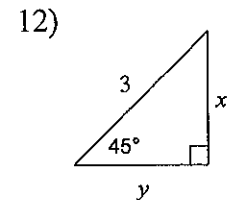
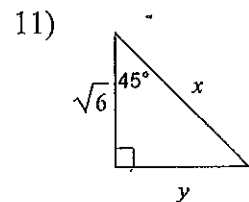
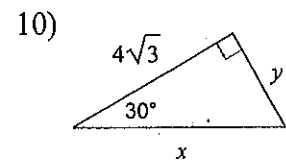
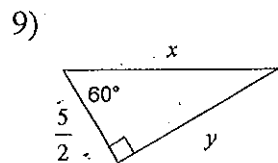
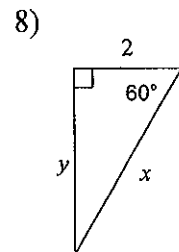
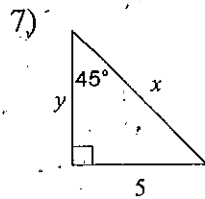
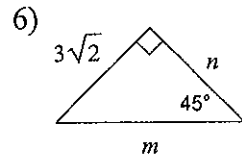
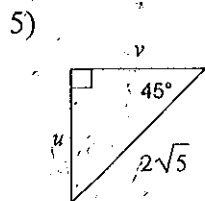
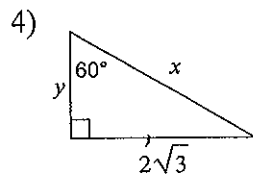
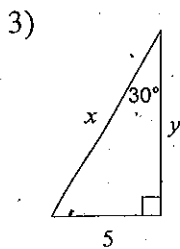
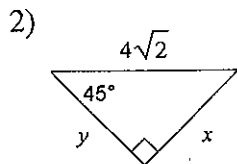
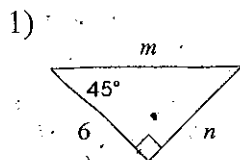


Assignment

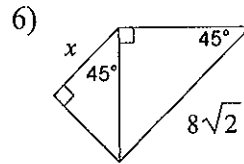
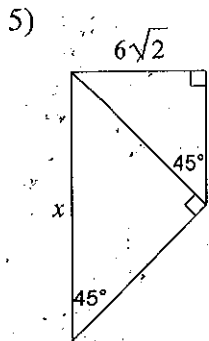
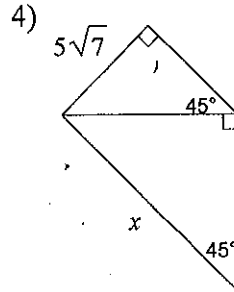
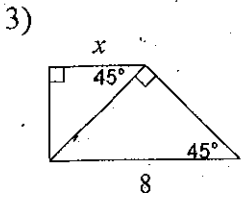
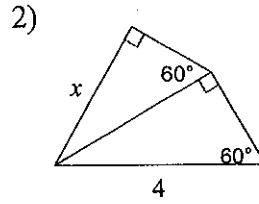
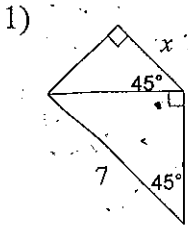
Find the missing side lengths. Leave your answers as radicals in simplest form.



- 13) The bottom of a ladder must be placed 3 feet from a wall. The ladder is 12 feet long. How far above the ground does the ladder touch the wall?
- 14) A soccer field is a rectangle 90 meters wide and 120 meters long. The coach asks players to run from one corner to the corner diagonally across. What is this distance?
- 15) The diagonal of a rectangle is 25 in. The width is 15 inches. What is the length?
- 16) Two sides of a right triangle are 8 and 12.
a. Find the missing side if 8 and 12 are legs.
b. Find the missing side if 8 and 12 are a leg and hypotenuse.
- 17) The area of a square is 81 square centimeters. Find the length of a side. Find the length of the diagonal.
- 18) Jill's front door is 42" wide and 84" tall. She purchased a circular table that is 96 inches in diameter. Will the table fit through the front door? Explain using approximations.

Assignment

Find the missing side lengths. Leave your answers as radicals in simplest form.



Find the area of each triangle. Round intermediate values to the nearest tenth. Use the rounded values to calculate the next value. Round your final answer to the nearest tenth.

