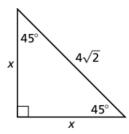
9.2

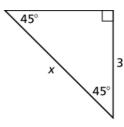
Practice A

In Exercises 1–3, find the value of x. Write your answer in simplest form.

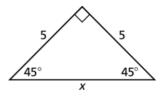
1.



2.

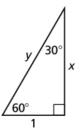


3.

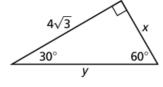


In Exercises 4–6, find the values of x and y. Write your answers in simplest form.

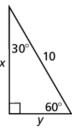
4.



5.

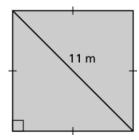


6.

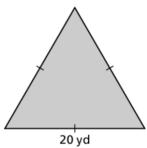


In Exercises 7 and 8, find the area of the figure. Round decimal answers to the nearest tenth.

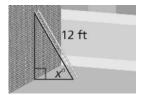
7.



8.



9. A 12-foot ladder is leaning up against a wall, as shown. How high does the ladder reach up the wall when x is 30° ? 45° ? Round decimal answers to the nearest tenth, if necessary.

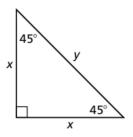


9.2

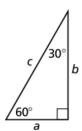
Practice B

In Exercises 1 and 2, copy and complete the table. Write your answers in simplest form.

1.



2.



x	5		$\sqrt{2}$	
у		$4\sqrt{2}$		24

а	11			
b		9		5√3
С			16	

3. The side lengths of a triangle are given. Determine whether each triangle is a 45°-45°-90° triangle, a 30°-60°-90° triangle, or neither.

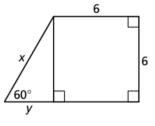
a. 5, 10,
$$5\sqrt{3}$$

b.
$$7, 7, 7\sqrt{3}$$

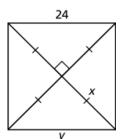
c. 6, 6,
$$6\sqrt{2}$$

In Exercises 4–6, find the values of the variables. Write your answers in simplest form.

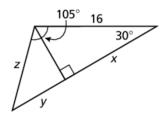
4.



5.



6



7. You build a two-person tent, as shown. How many square feet of material is needed to make the tent, assuming the tent has a floor?

