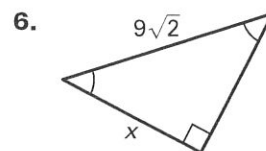
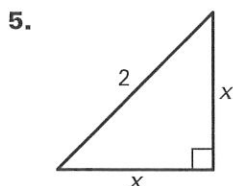
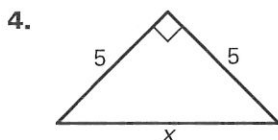
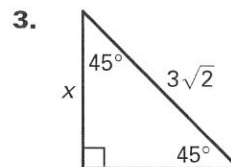
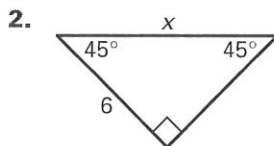
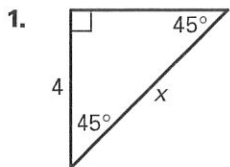


LESSON
7.4

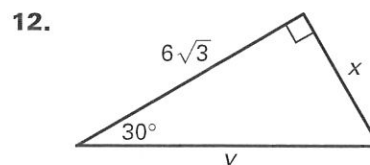
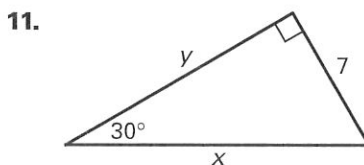
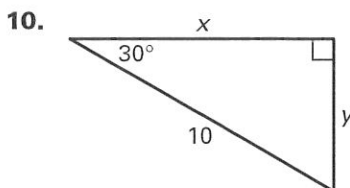
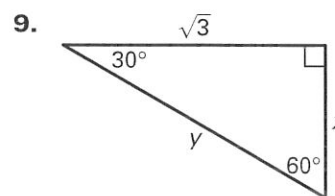
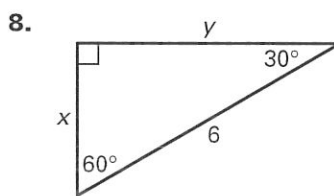
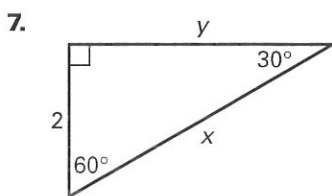
Practice A

For use with the lesson "Special Right Triangles"

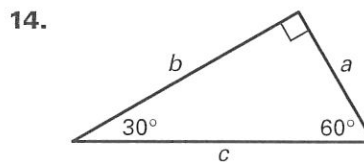
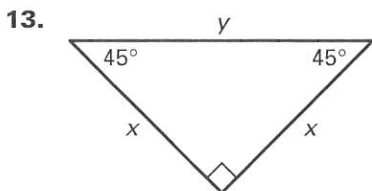
Find the value of x . Write your answer in simplest radical form.



Find the value of each variable. Write your answers in simplest radical form.



Copy and complete the table.



x	2		4		7
y		$\sqrt{2}$		$3\sqrt{2}$	

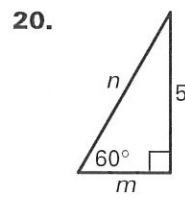
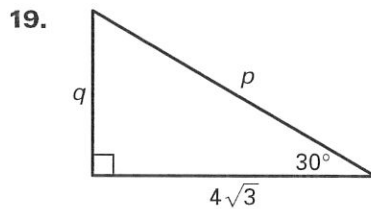
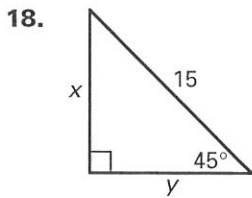
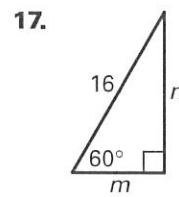
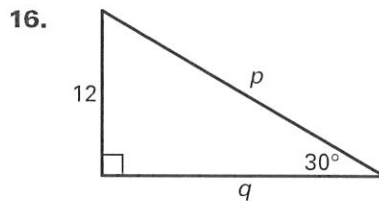
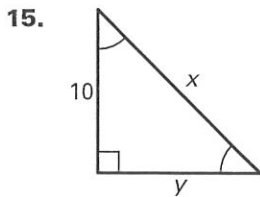
a	5			6	
b		$2\sqrt{3}$			
c			8		22

LESSON
7.4

Practice A *continued*
For use with the lesson "Special Right Triangles"

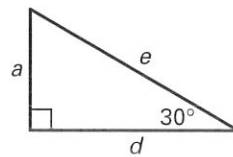
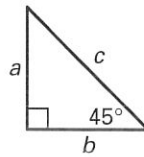
LESSON 7.4

Find the value of each variable. Write your answers in simplest radical form.

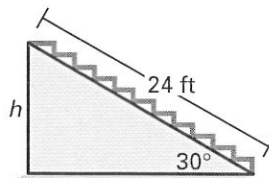


21. **Multiple Choice** In the diagrams to the right, which side length is the longest?

- A. *a* B. *b*
C. *c* D. *d*



22. **Bleachers** A 24 foot long bleacher stand has a base angle of 30° . How high above the ground is the last row of seating?



23. **Baseball** The baselines of a baseball field form a square. The distance from home plate to first base is 90 feet. Use the diagram at the right. Round decimal answers to the nearest inch.

- What is the distance from home plate to second base?
- What is the distance from third base to first base?
- The pitcher's mound is 60 feet 6 inches from home plate. Is it the midpoint of the diagonal from home plate to second base? If not, what is the midpoint?

