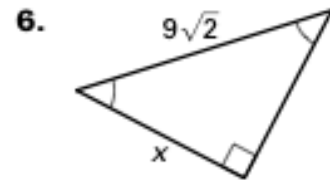
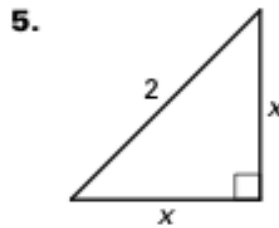
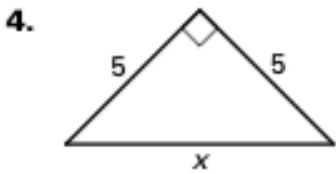
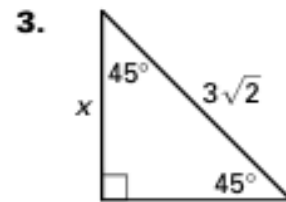
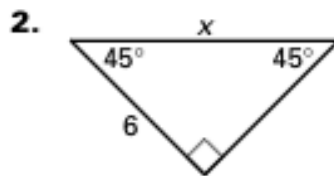
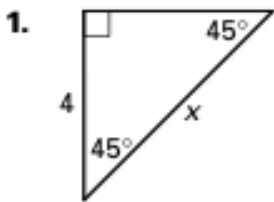


Geometry

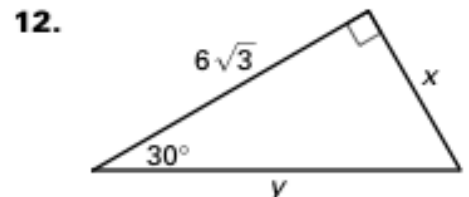
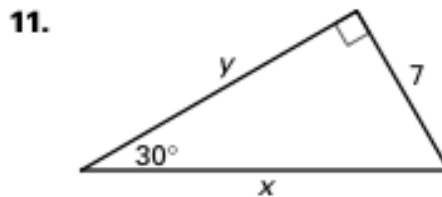
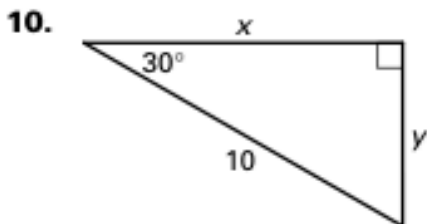
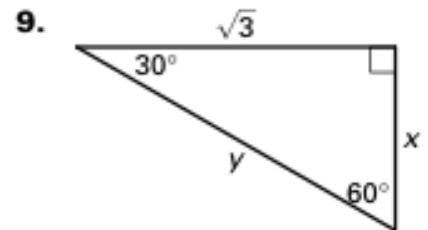
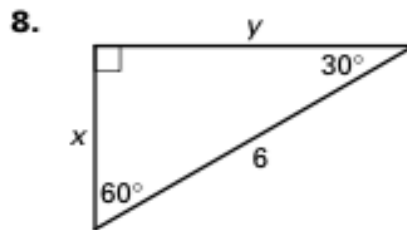
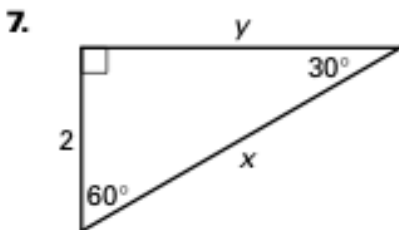
Worksheet 7A

Name _____

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

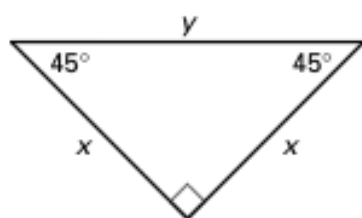


Find the value of each variable. Write your answers in simplest radical form.



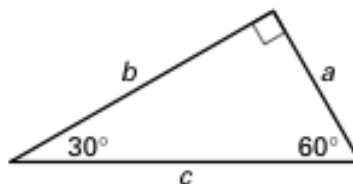
Copy and complete the table.

13.



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

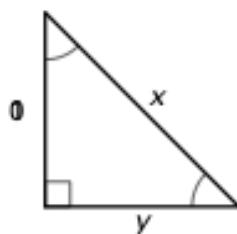
14.



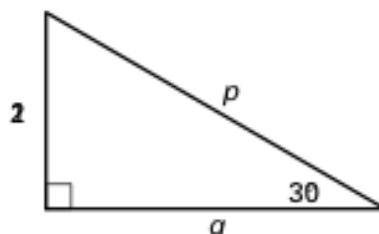
a	5			6	
b		$2\sqrt{3}$			
c			8		22

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

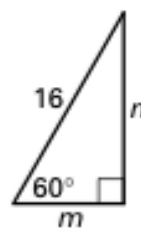
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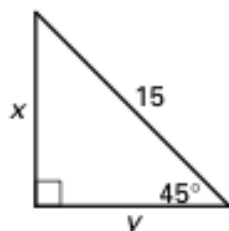
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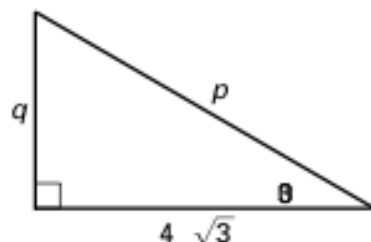
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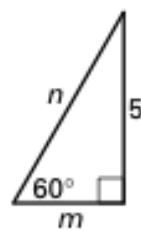
18.



19.

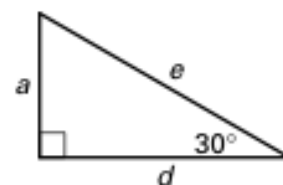
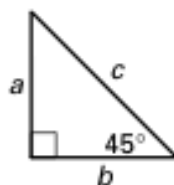


20.

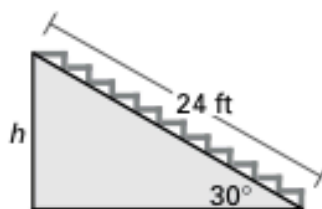


21. **Multiple Choice** In the diagrams to the right, which side length is the longest?

- 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?

