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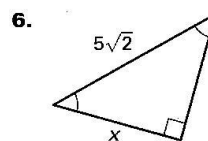
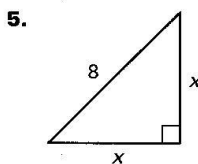
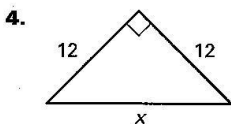
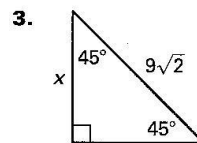
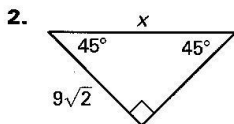
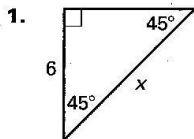
Date _____

LESSON
7.4

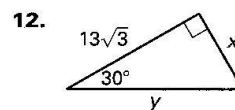
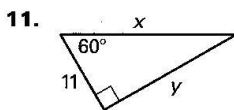
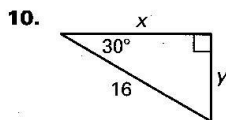
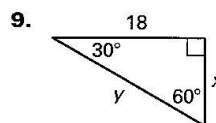
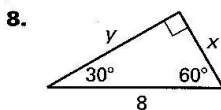
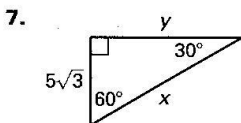
Practice B

For use with pages 457–464

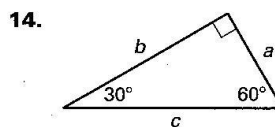
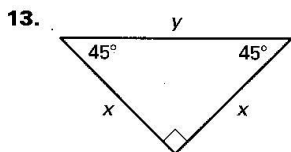
Find the value of x . Write your answer in simplest radical form.



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



Complete the table.



x	5		$\sqrt{2}$	9	
y		$4\sqrt{2}$			24

a	9			11	
b		9	$5\sqrt{3}$		
c					16

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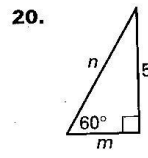
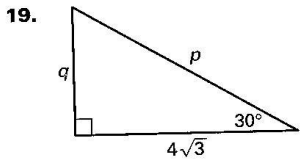
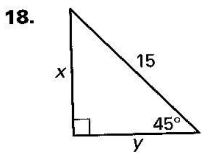
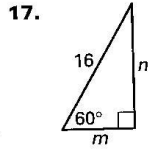
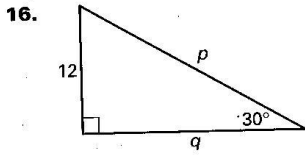
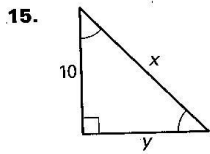
Name _____

Date _____

LESSON 7.4

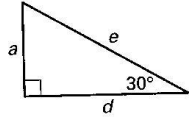
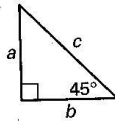
LESSON 7.4 Practice A *continued*
For use with pages 457-464

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

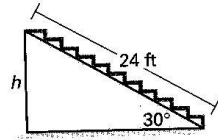


21. **Multiple Choice** In the diagrams to the right, which side length is the longest?

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

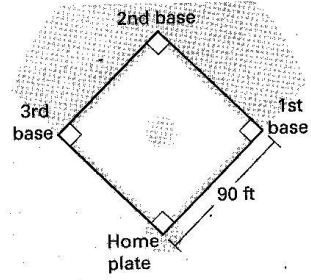


22. **Bleachers** A 24 foot long bleacher stand has a base angle of 30° . How high above the ground is the last row of seating?



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.

- a. What is the distance from home plate to second base?
- b. What is the distance from third base to first base?
- c. 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?



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