LESSON 9.4

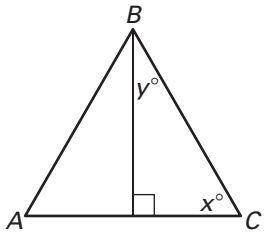
NAME _____ DATE _____

Practice A

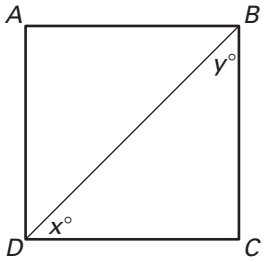
For use with pages 551–557

Find the value of each variable in the polygon.

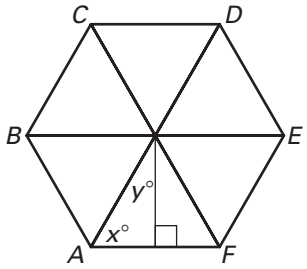
1. Equilateral $\triangle ABC$



2. Square $ABCD$

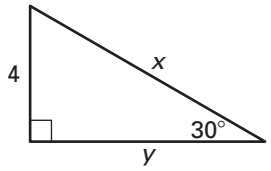


3. Regular hexagon $ABCDEF$



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

4.



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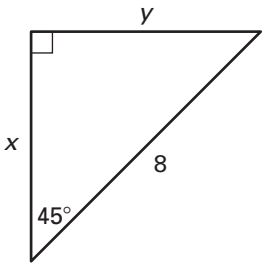

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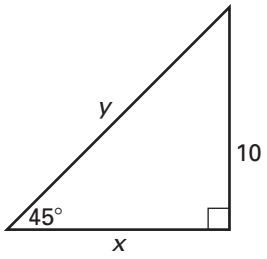

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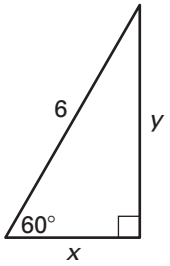
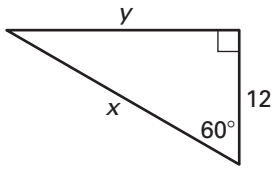


8.



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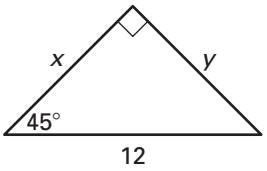


Sketch the figure that is described. Find the requested length. Round decimals to the nearest tenth.

10. The side length of an equilateral triangle is 20 centimeters. Find the length of an altitude of the triangle.

11. The perimeter of a square is 20 centimeters. Find the length of a diagonal.

12. The diagonal of a square is 10 inches. Find the length of a side.

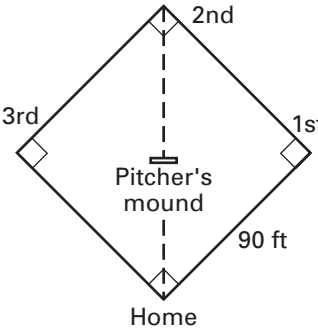
Baseball **In Exercises 13–15, use the diagram and the following information.**

The infield of a baseball field is a square. The distance from home plate to first base is 90 feet.

13. What is the distance from home plate to second base?

14. What is the distance from third base to first base?

15. If 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?



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