Kuta Software - Infinite Algebra 1 For Monday Name_____

Using Trigonometry To Find Lengths

Date_____ Period____

Find the missing side. Round to the nearest tenth.

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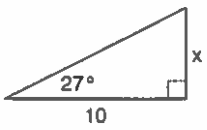

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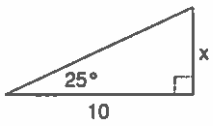

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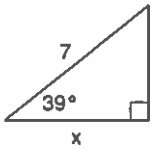

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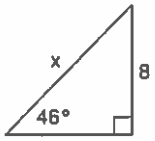

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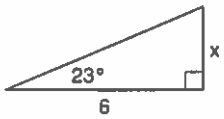

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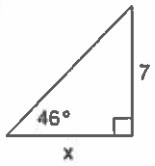

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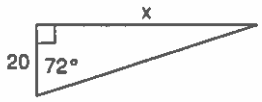

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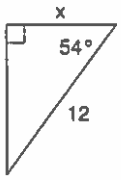

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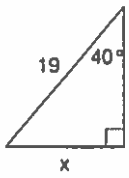

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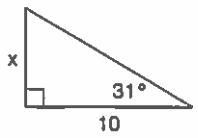

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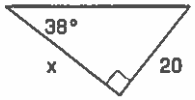

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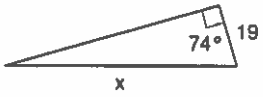

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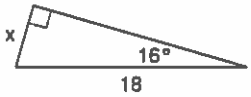

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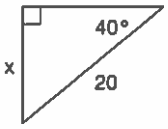

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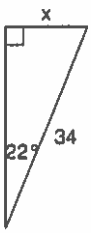

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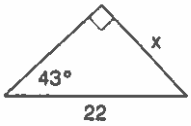

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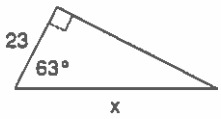

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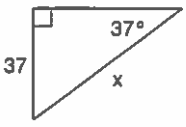

Math 2 Support

For Tuesday

Name _____

Sine Ratio Worksheet

Use a ratio to calculate the value for the sine of $\angle A$ for each triangle.

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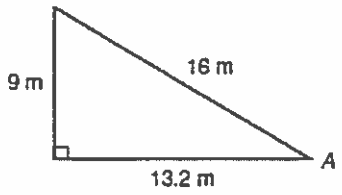

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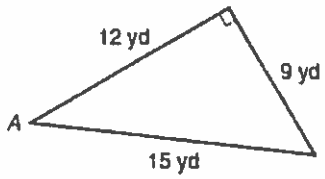

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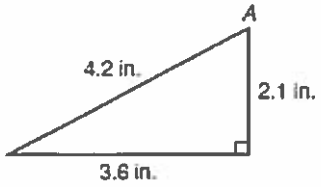

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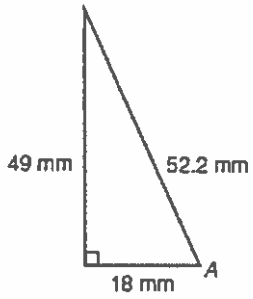

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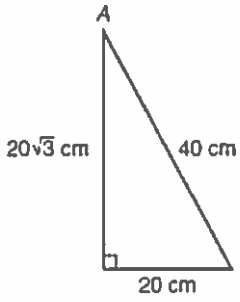

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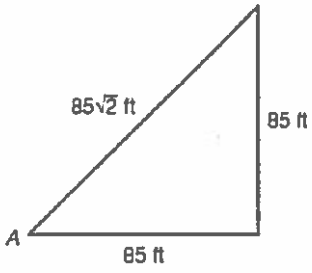


Use a calculator to determine the sine of each angle to the nearest thousandth.

7. 72°

8. 88°

9. 16°

10. 7°

11. 33°

12. 40°

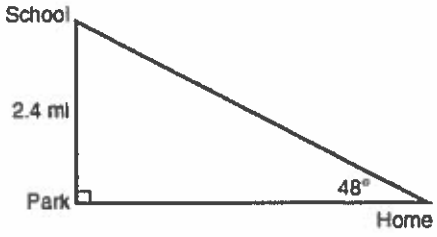
13. 25°

14. 2°

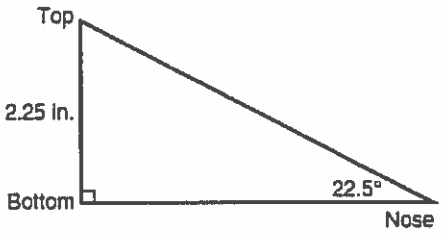
For wednesday

Use the given information to answer each question. Round decimals to the nearest hundredth.

15. Hector's home is directly east of the park. His school is 2.4 miles directly north of the park. The path from Hector's home to the school and the path from his home to the park form a 48° angle, as shown in the figure. How far is Hector's home from his school?

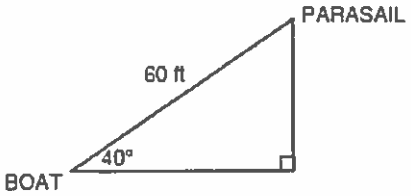


16. A paper airplane is in the shape of a right triangle. The nose forms a 22.5° angle. The tail end from top to bottom is 2.25 inches tall. What is the length of the longest edge of the plane, from the tip of the nose to the top of the tail?



17. A 30-foot ladder is resting against the side of a house, creating an 8° angle with the house. How far is the bottom of the ladder from the base of the house?

18. A parasail is towed behind a boat by a rope that is 60 feet long. The rope is attached to the deck of the boat and makes an angle of 40° with the deck of the boat. How high is the parasail above the boat's deck?



Solving Trig Problems

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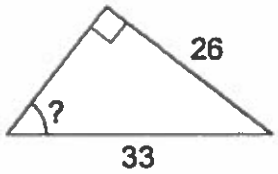

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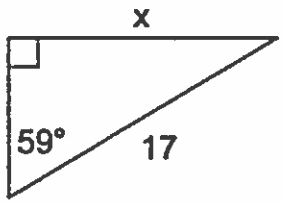

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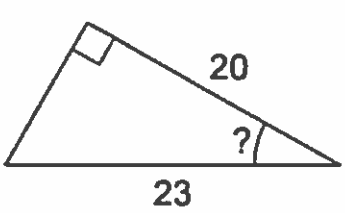

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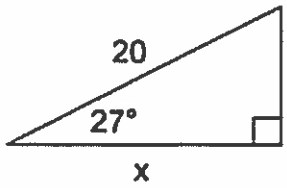

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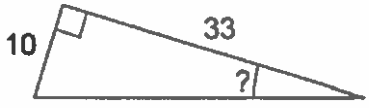

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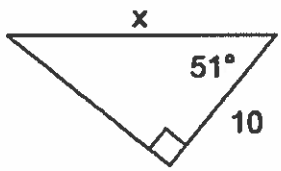

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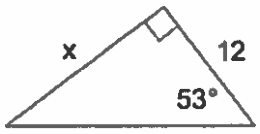

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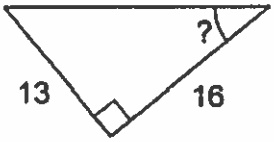

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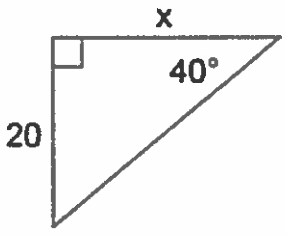

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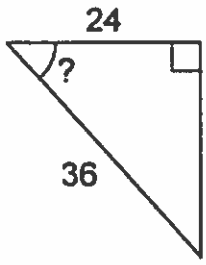

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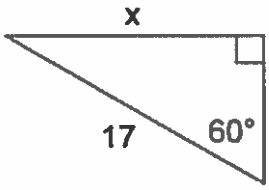

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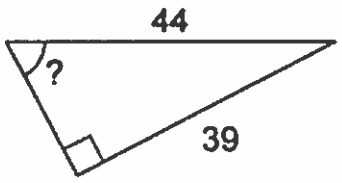

For Friday

Solve for the missing variable

Tangent

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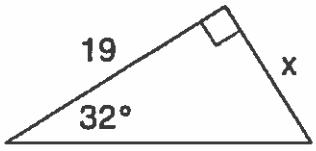

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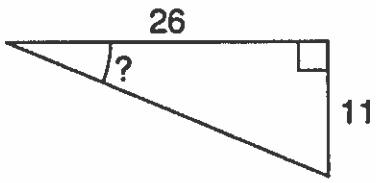

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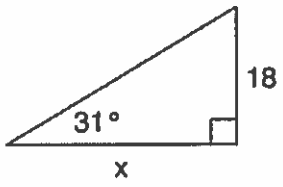

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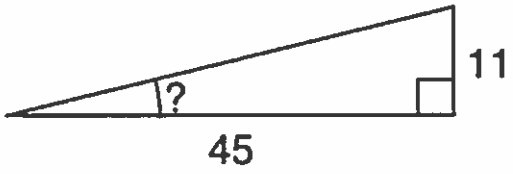

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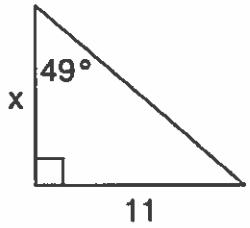

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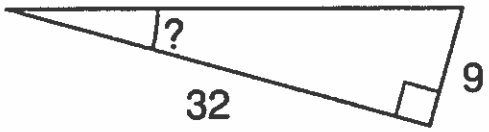

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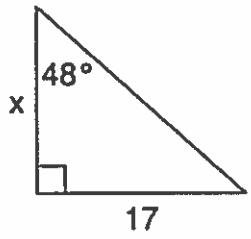

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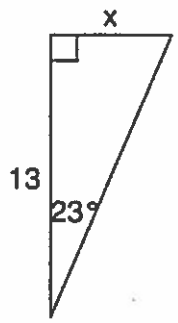

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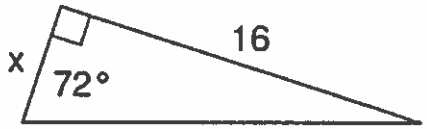

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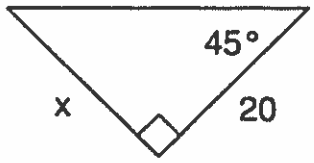

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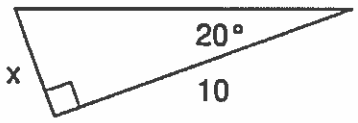

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