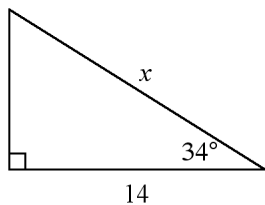


Geo Chapter 8 Quiz(Pythag Thm, Special Triangles, Trig)

Short Answer

Find the value of x . Round to the nearest tenth.

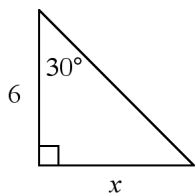
1.



Not drawn to scale

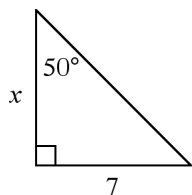
Find the value of x . Round your answer to the nearest tenth.

2.



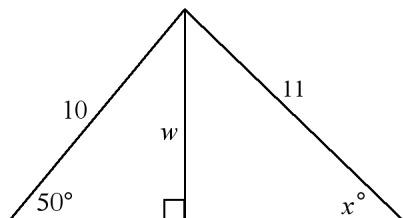
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3.



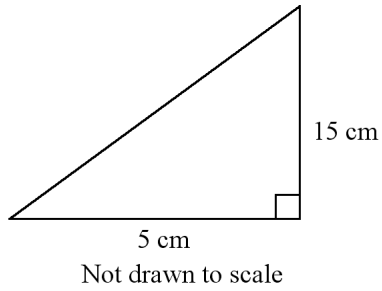
Not drawn to scale

4. Find the value of w and then x . Round lengths to the nearest tenth and angle measures to the nearest degree.

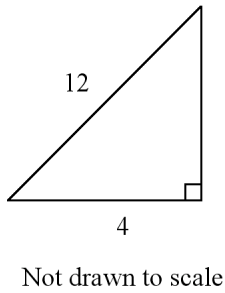
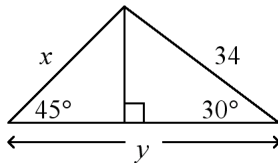


Find the length of the missing side. Leave your answer in simplest radical form.

5.



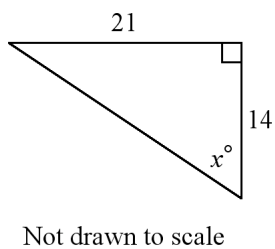
6.

7. Find the value of x and y rounded to the nearest tenth.

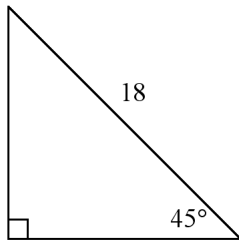
8. A triangle has side lengths of 8 cm, 15 cm, and 17 cm. Classify it as acute, obtuse, or right.

Find the value of x to the nearest degree.

9.



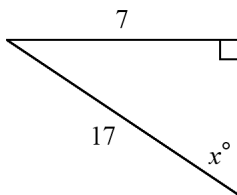
10. Find the length of the leg. If your answer is not an integer, leave it in simplest radical form.



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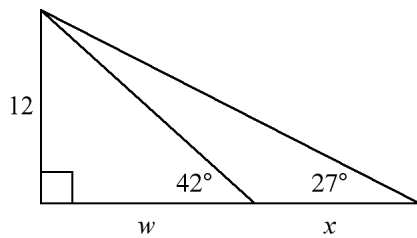
Find the value of x . Round to the nearest degree.

- 11.



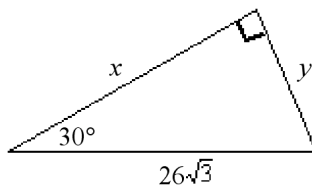
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12. Find the value of w , then x . Round lengths of segments to the nearest tenth.



Find the value of the variable(s). If your answer is not an integer, leave it in simplest radical form.

- 13.

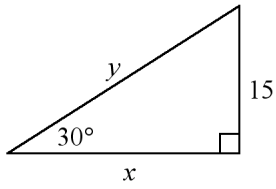


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Name: _____

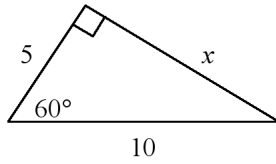
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14.



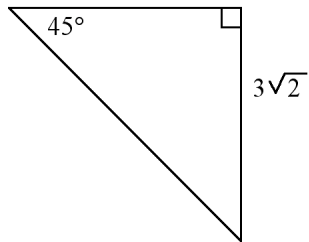
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15.



Not drawn to scale

16. Find the length of the hypotenuse.



Alternative Assessment

Chapter 8

Form C

Name _____

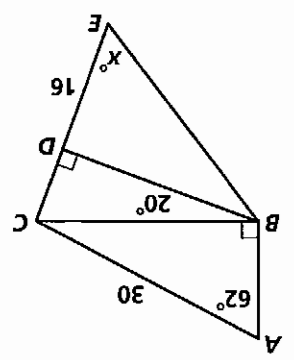
Class _____

Date _____

Show all your work.

TASK 1

Find x to the nearest tenth.



TASK 2

A surveyor measures the angle of elevation to the top of a building to be 70° . The surveyor then walks 50 ft farther from the base of the tower and measures the angle of elevation to be 50° . The surveyor's angle-measuring device is 5.5 ft from the ground. How tall is the building, to the nearest foot?

