

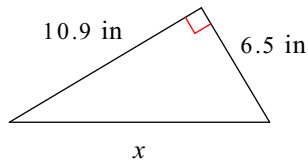
Math 2
Unit 5 Days 1 - 3 CW

Name _____

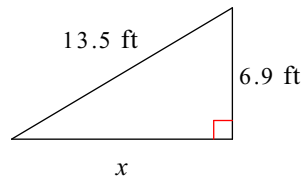
Date _____ Period _____

Find the missing side of each triangle. Write your answers as decimals to the nearest hundredth.

1)

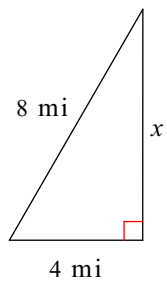


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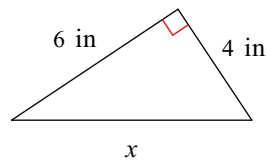


Find the missing side of each triangle using the Pythagorean Theorem. Leave your answers in simplest radical form (not a decimal!)

3)

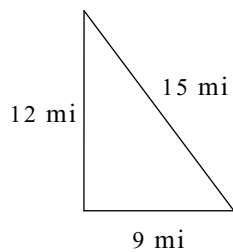


4)

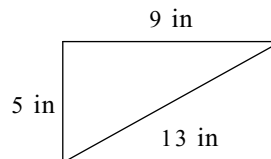


Use the Pythagorean Theorem to determine if the triangle is right, acute, or obtuse - don't go by the picture!

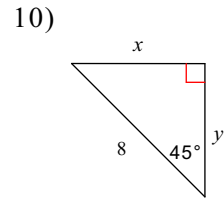
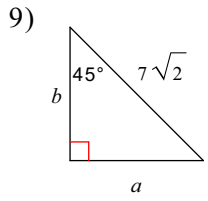
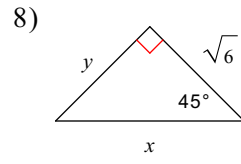
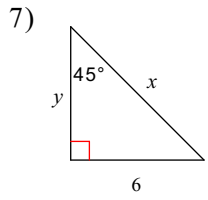
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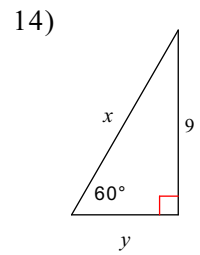
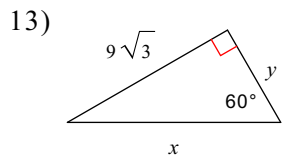
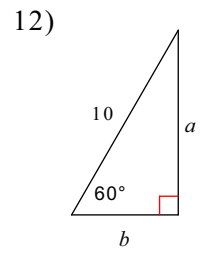
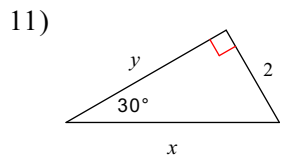
6)



Find the missing side lengths in the 45-45-90 triangles. Leave your answers as radicals in simplest form.



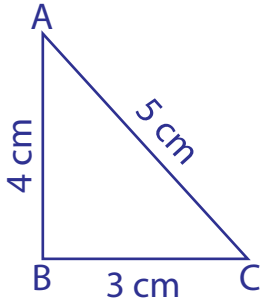
Find the missing side lengths in the 30-60-90 triangles. Leave your answers as radicals in simplest form.



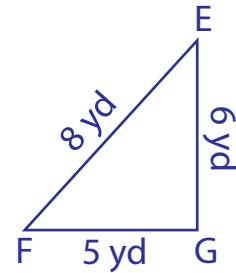
Identify the right triangles

Apply the Pythagorean theorem. Find whether each triangle has a right angle.

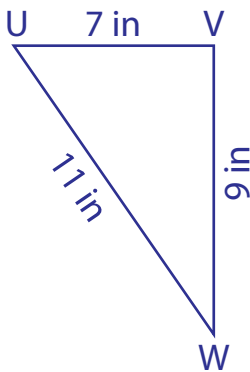
1)



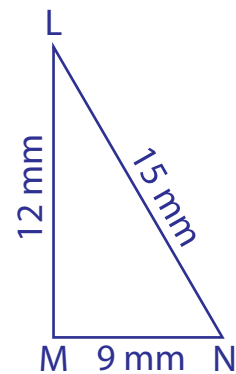
2)



3)



4)



5) In triangle XYZ, the sides XY, YZ and XZ measure 12 ft, 16 ft and 20 ft respectively. Prove that XYZ is a right triangle.

6) In triangle PQR, the sides PQ, QR and PR measure 15 in, 20 in and 25 in respectively. Prove that PQR is a right triangle.
