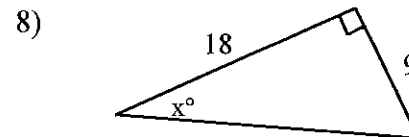
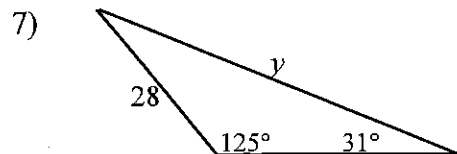
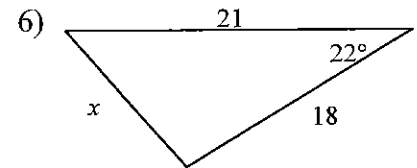
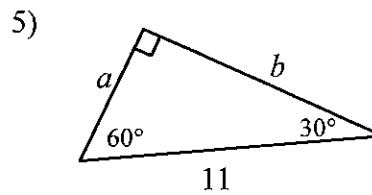
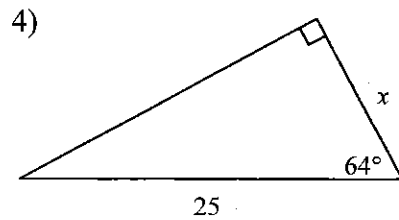
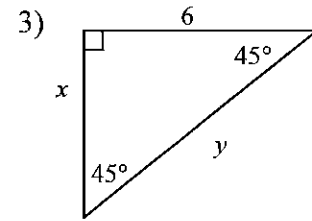
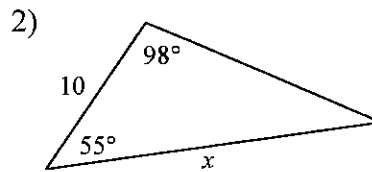
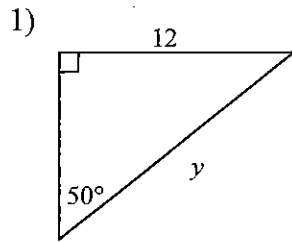


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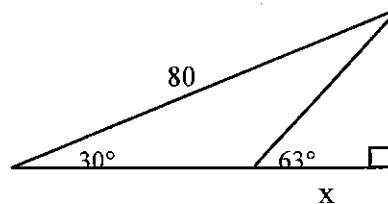
Geometry
Chapter 5 Test Review

Solve for the missing variable(s). You must show all work to receive credit.



9) A surveyor wants to find the distance from points A and B to point C, which is on a mountain top. These three points form a triangle. Because point C can be sighted from both A and B, he knows that $m\angle A = 82^\circ$ and $m\angle B = 40^\circ$. In addition, the distance from A to B is 177 meters. Find the lengths of AC and BC. Draw a diagram.

10) Find x. Show any sub-problems you use.



11) Find the shaded area. Show all work. The figure at right is a rectangle (5 pts).

