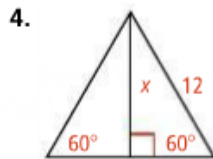
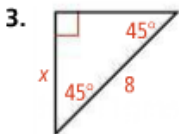
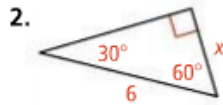
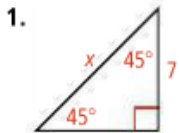




Lesson Check

Do you know HOW?

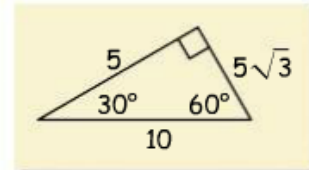
What is the value of x ? If your answer is not an integer, express it in simplest radical form.



Do you UNDERSTAND?



5. **Error Analysis** Sandra drew the triangle below. Rika said that the labeled lengths are not possible. With which student do you agree? Explain.



6. **Reasoning** A test question asks you to find two side lengths of a 45° - 45° - 90° triangle. You know that the length of one leg is 6, but you forgot the special formula for 45° - 45° - 90° triangles. Explain how you can still determine the other side lengths. What are the other side lengths?

Find the value of each variable. If your answer is not an integer, express it in simplest radical form.

See Problems 1 and 2.

