

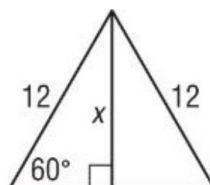
Unit 7: Right Triangles & Trig Review

1. The measures of the sides of a triangle are 56, 90, and 106. Classify the triangle as acute, obtuse, or right.

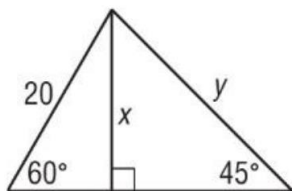
2. If a 24-foot ladder makes a 58° angle with the ground, how many feet up a wall will it reach? Round your answer to the nearest tenth.

3. Find the perimeter of a square if the length of its diagonal is 16 millimeters. Round to the nearest tenth.

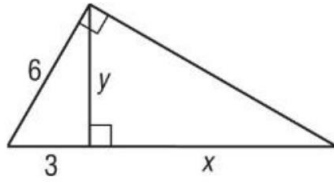
4. Find the exact value of x .



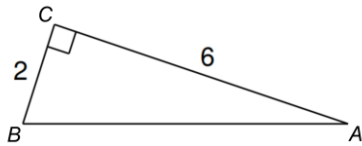
5. Find the exact values of x and y .



6. Find the exact values of x and y .



7. Find the following. Leave in simplified radical form.

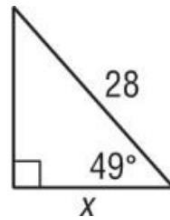


$$\sin A =$$

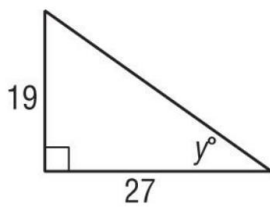
$$\cos A =$$

$$\tan A =$$

8. Find the value x , rounded to the nearest tenth.



9. Find the value y , rounded to the nearest tenth.



10. From a point on the ground 12 ft from the base of a flagpole, the angle of elevation to the top of the pole is 53° . How tall is the flagpole? Round to the nearest tenth.