Geometry Survey

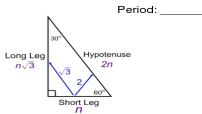
Name: _____

7.3 Worksheet

Special Right Triangles: 30° - 60° - 90°

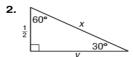
Hypotenuse = 2 * Short Leg

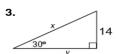
Long Leg = Short Leg * $\sqrt{3}$



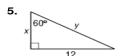
Find the value of x and y in each triangle.

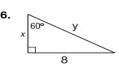
1. y

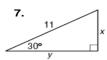


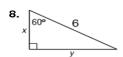


4. x 12











Sketch the figure that is described. Then, find the requested measure.

10. An equilateral triangle has a side length of 10 inches. Find the length of the triangles altitude.

11. The altitude of an equilateral triangle is 18 inches. Find the length of a side.