TOPIC 9-6: MORE 45°-45°-90° & 30°-60°-90° TRIANGLES
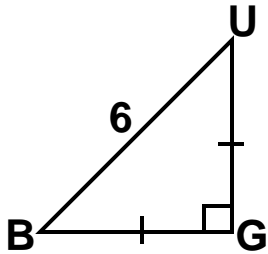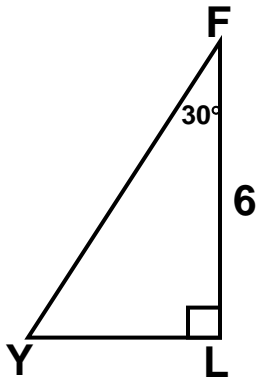
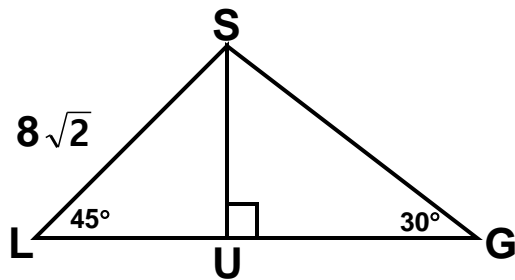**EXAMPLE 1   Find BG and UG.**

EXAMPLE 2   Find FY & YL.

EXAMPLE 3   Find SG, LU, UG, & SU.

$8\sqrt{2}$

S

45°   30°

L   U   G

EXAMPLE 4:
The perimeter of an equilateral triangle is 48 centimeters. Find the length of the altitude of the triangle.

EXAMPLE 5:
The length of a diagonal of a square is $15\sqrt{2}$ millimeters. Find the perimeter of the square.

EXAMPLE 6:
The top of an end table is an isosceles right triangle. The length of the front edge (the longest side) of the table is 48 inches. What is the length of each side edge? Round to the nearest tenth of an inch.