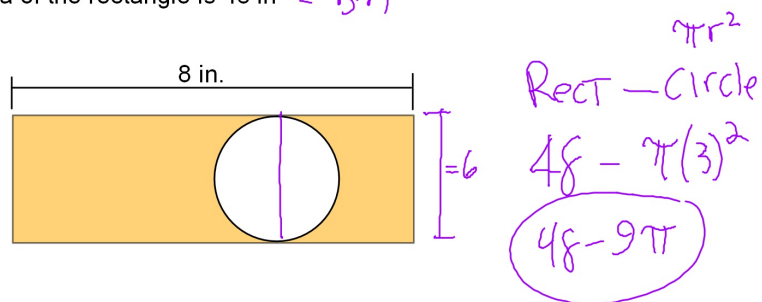
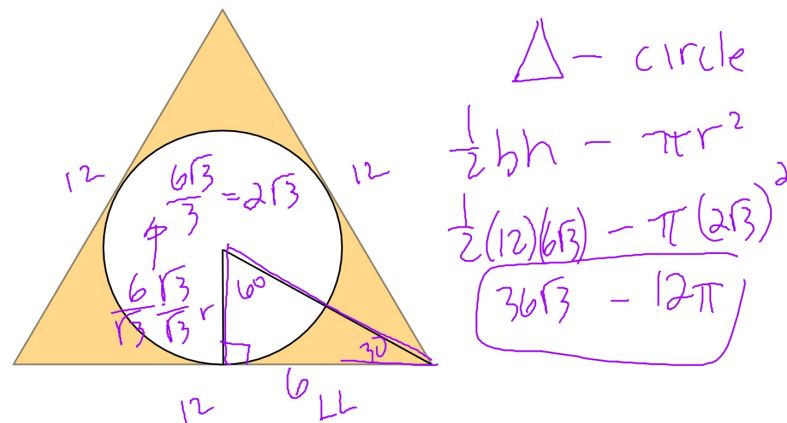


1. Find the area of the shaded region. Leave the answer in terms of  $\pi$ .

The area of the rectangle is  $48 \text{ in}^2 = b \cdot h$



2. Find the area of the shaded region.  
The triangle is an equilateral triangle whose edges are 12 cm long.  
Leave your answer in simplified radical form and in terms of  $\pi$ .



3. Find the area of the shaded region. The triangle is an isosceles right triangle. The circle has a diameter of 8 in. Leave your answer in terms of  $\pi$ .

