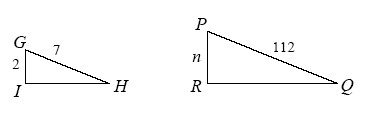
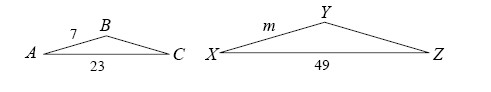
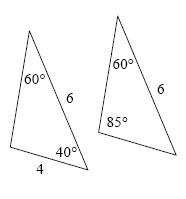
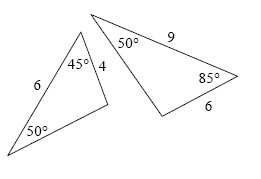
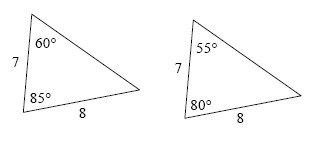
**3-71.** Solve for the missing lengths in the sets of similar figures below. Show all work.

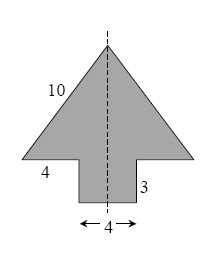
1. Δ*GHI ∼* Δ*PQR*
   1. 
2. Δ*ABC ∼* Δ*XYZ*



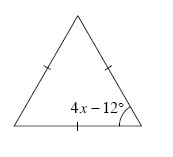
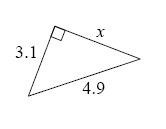
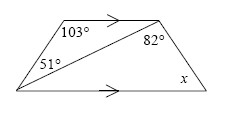
**3-80.** Determine which of the following pairs of triangles are similar. Explain your work.

1. 
2. 
3. 

**3-81.** The dashed line below represents the line of symmetry of the shaded figure. Find the area and perimeter of the shaded region. Show all work.



**3-82.** **Examine** the diagrams below. For each one, write and solve an equation to find *x.* Show all work.

1. 
2. 
3. 
4. 