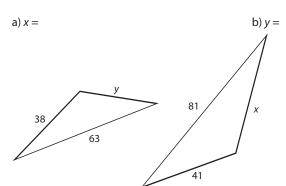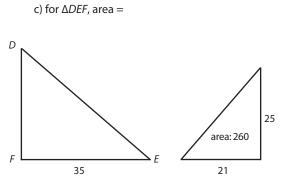1. The triangles shown are similar. Use multiplication to complete the equations and find the indicated values.

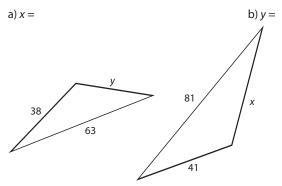a) $x =$ b) $y =$ c) for ΔDEF, area =

2. State whether or not the two triangles are similar. State the theorem used, and show the scale factors if using side lengths.