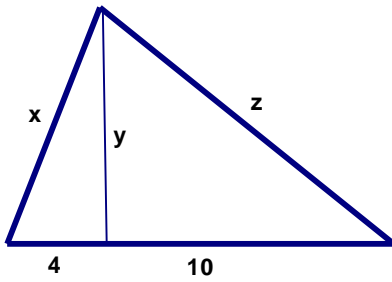


## 8-3 Geometric Mean of Right Triangles

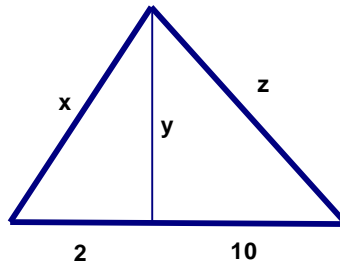
\_\_\_\_\_ 1. Simplify  $\sqrt{40}$  Remember to use a factor tree to help you if you need it.

\_\_\_\_\_ 2. Simplify  $\sqrt{300}$  Remember to use a factor tree to help you if you need it.

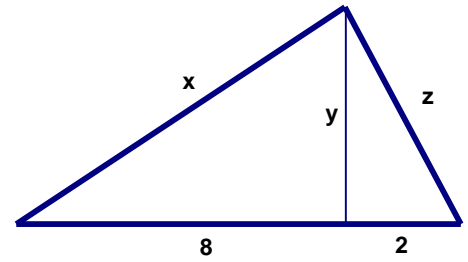
Triangle 1



Triangle 2



Triangle 3



All of the triangles above are right triangles. Find the missing values.

Triangle 1     $x =$  \_\_\_\_\_     $y =$  \_\_\_\_\_     $z =$  \_\_\_\_\_

Triangle 2:     $x =$  \_\_\_\_\_     $y =$  \_\_\_\_\_     $z =$  \_\_\_\_\_

Triangle 3:     $x =$  \_\_\_\_\_     $y =$  \_\_\_\_\_     $z =$  \_\_\_\_\_