

# Scavenger Hunt

Similarity

# A

$$\sqrt{19}$$

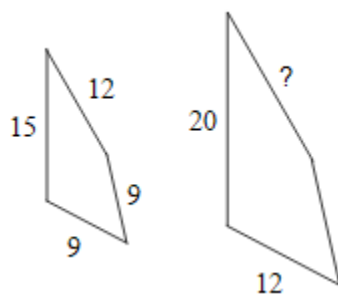
**Solve each proportion.**

$$\frac{6}{9} = \frac{m - 11}{m + 4}$$

# B

# 1

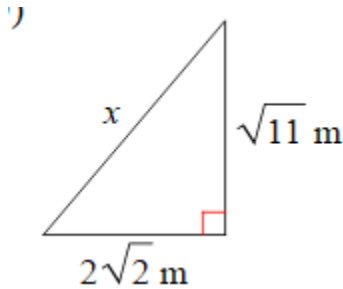
**The polygons in each pair are similar. Find the missing side length.**



# C

# $\Delta$ CRS

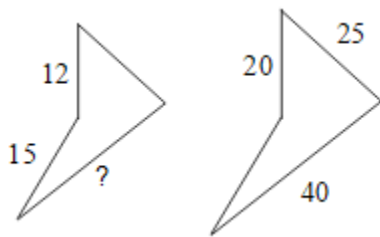
Find the missing side of each triangle. Leave your answers in simplest radical form.



# D

# 41

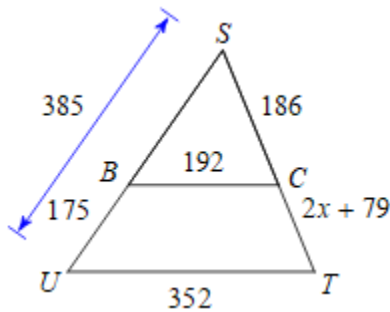
**The polygons in each pair are similar. Find the missing side length.**



# E

# 16

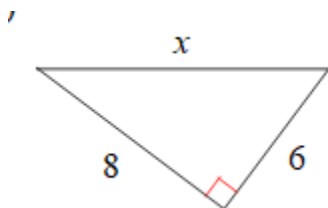
Solve for  $x$ . The triangles in each pair are similar.



# F

# $\triangle RST$

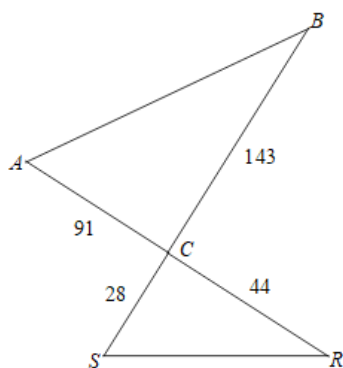
**Find the missing side of each triangle.**



# G

# 38

**complete the similarity statement.**

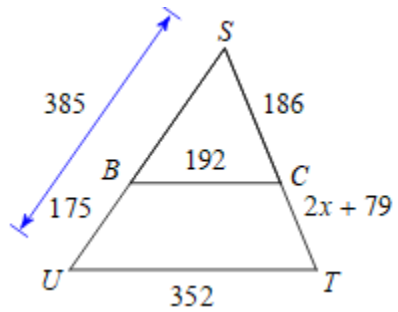


$\triangle CBA \sim$  \_\_\_\_\_

# H

# 24

**Find the missing length. The triangles in each pair are similar.**



J

10

**Solve each proportion**

$$\frac{x - 10}{x - 3} = \frac{9}{2}$$

K

38

complete the similarity statement

