Name_____ ID: 1

Proving Triangles Similar

Date_____ Period____

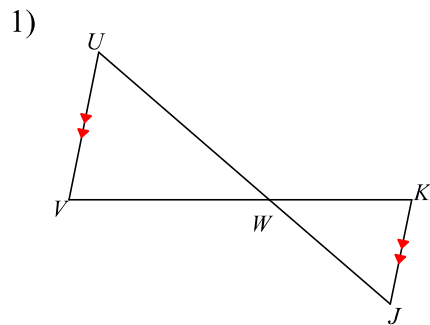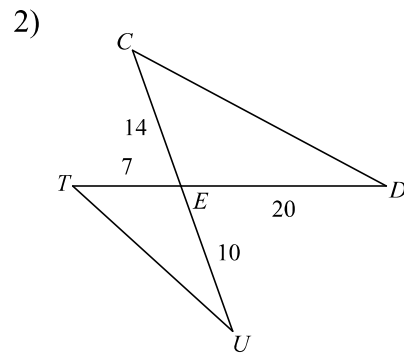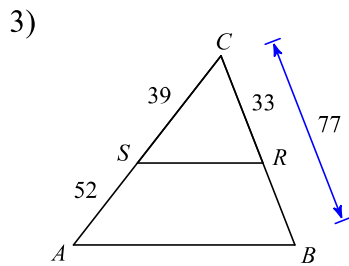**State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.**
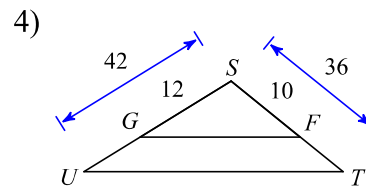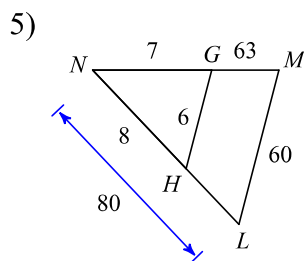
1)

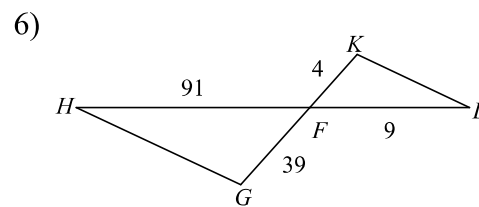
$\triangle WVU \sim$ _____

2)

$\triangle EDC \sim$ _____

3)

$\triangle CBA \sim$ _____
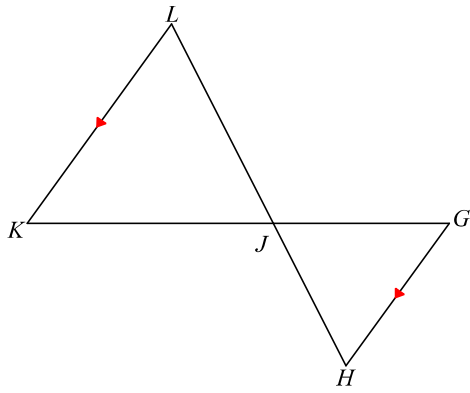
4)

$\triangle STU \sim$ _____

5)

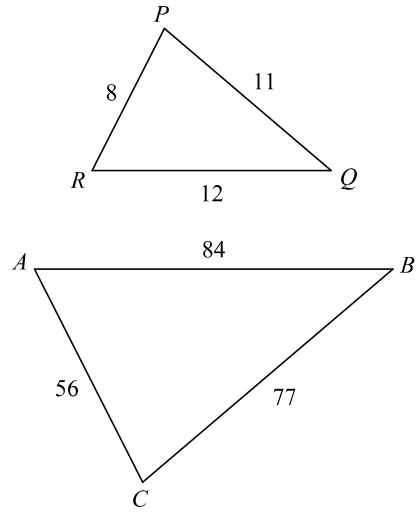$\triangle NML \sim$ _____

6)

$\triangle FGH \sim$ _____
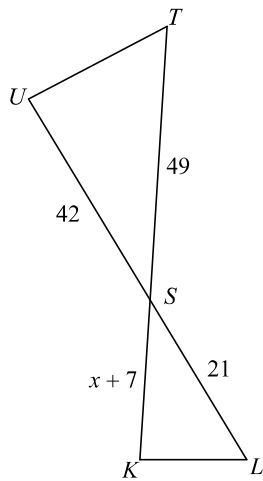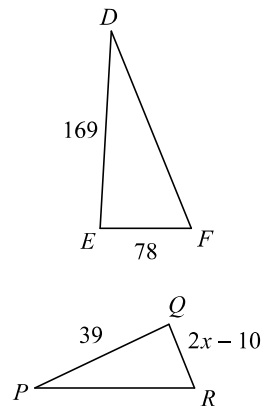
7)

$\triangle JKL \sim$ _____

8)

$\triangle CBA \sim$ _____

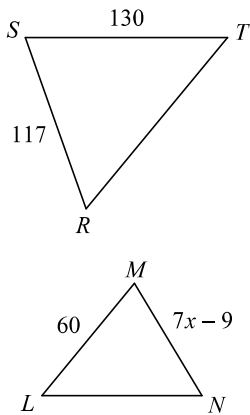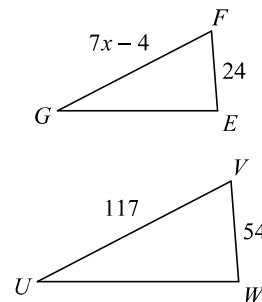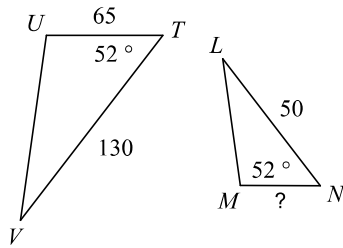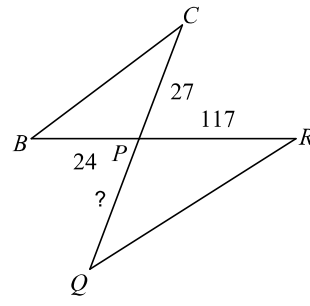**Solve for *x*. The triangles in each pair are similar.**

9)

10)

11)

12)

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

13)

65
U   T
52°
L
50
130
52°
V   M   ?   N

14)

C
27
117
B   R
24 P
?
Q

15)

C
?
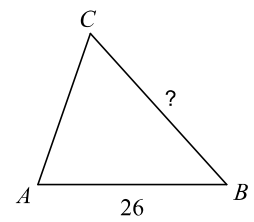A   B
26

G
91
E   F
98

16)

20
A   S   ?   C
7
14   9
R
B
18