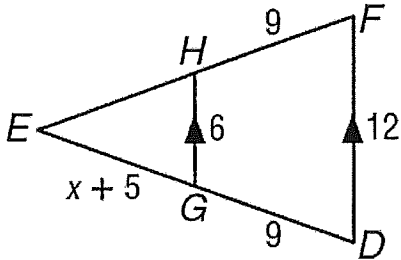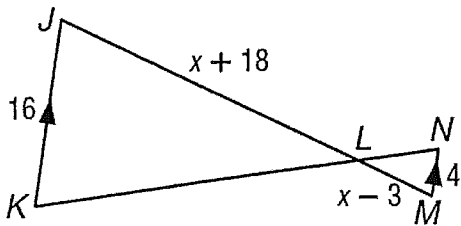Practice Examples

dentify the Similar triangles, how you know they are similar, find the variable(s) and the measures of the indicated sides.

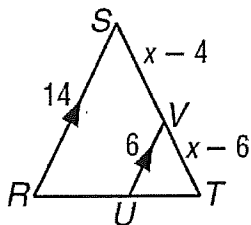**1.** $\overline{EH}$ and $\overline{EF}$
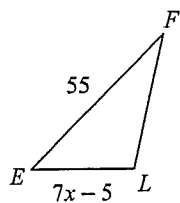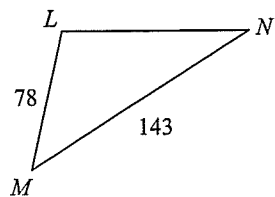

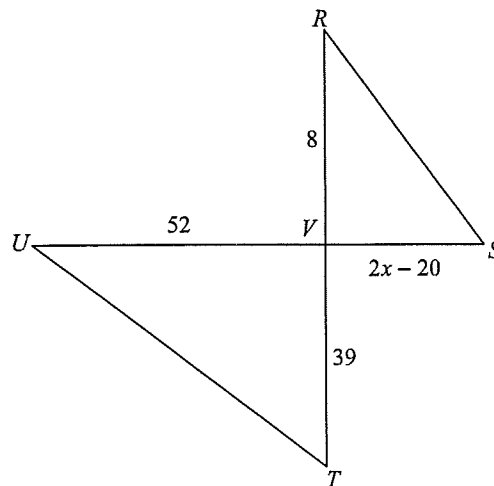**2.** $\overline{JL}$ and $\overline{LM}$

3. $\overline{VT}$ and $\overline{ST}$

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

12)

L ——— N
78 /
   143
M

F
55
E ——— L
  7x − 5

13)

R
8
U —— 52 —— V ——— S
         2x − 20
39
T

14)

R ——— 2x − 1 ——— G ——— 36 ——— S
         24
42   F
     24   56
     T