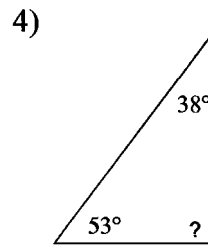
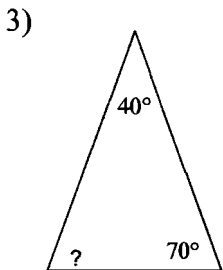
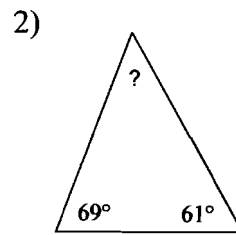
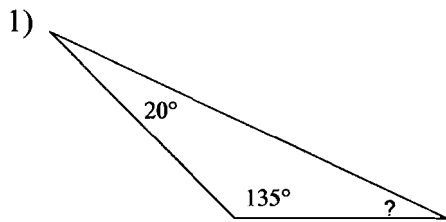
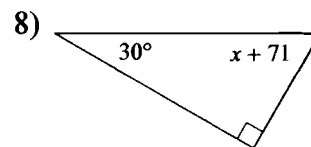
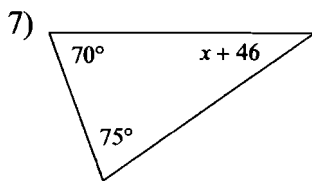
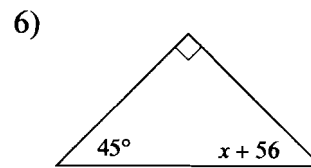
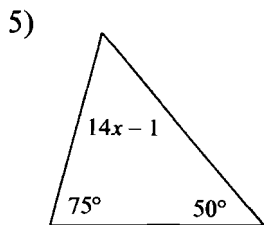


Triangle Sum & Corresponding Angles/Sides

Find the measure of each angle indicated.

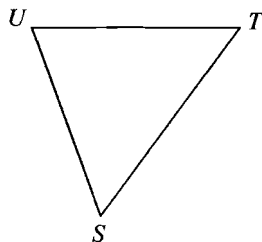
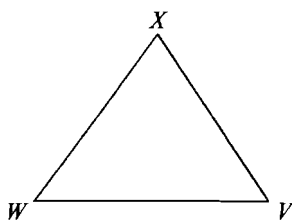


Solve for x .



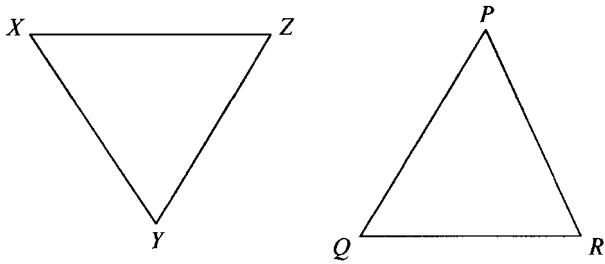
Complete each congruence statement by naming the corresponding angle or side.

9) $\triangle VWX \cong \triangle STU$



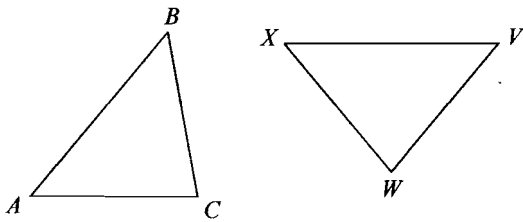
$\overline{WX} \cong ?$

10) $\triangle YXZ \cong \triangle RPQ$



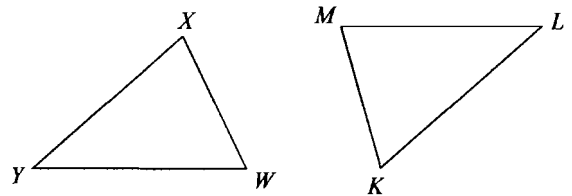
$\overline{ZY} \cong ?$

11) $\triangle ABC \cong \triangle VXW$



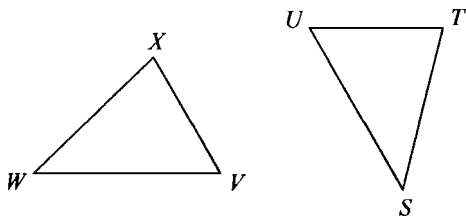
$\angle A \cong ?$

12) $\triangle WYX \cong \triangle KLM$



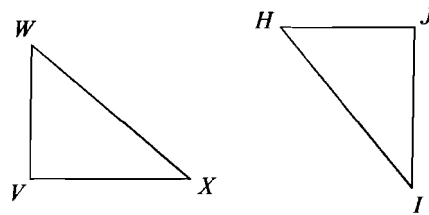
$\angle Y \cong ?$

13) $\triangle WXV \cong \triangle STU$



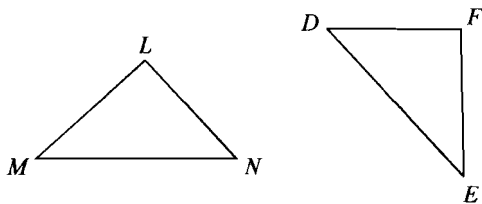
$\angle W \cong ?$

14) $\triangle WXV \cong \triangle HIJ$



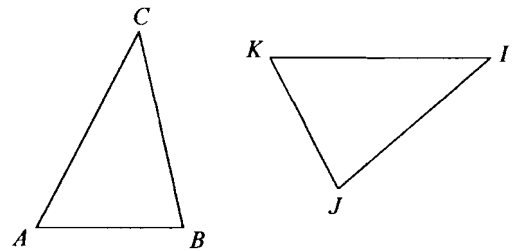
$\overline{VW} \cong ?$

15) $\triangle NML \cong \triangle DEF$



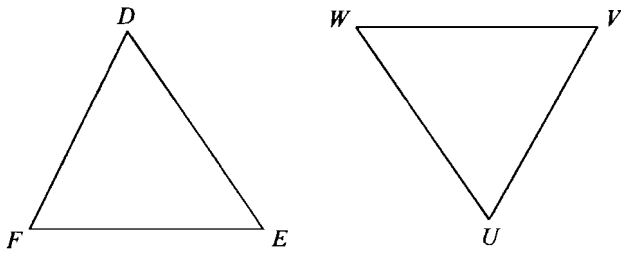
$\overline{NM} \cong ?$

16) $\triangle ACB \cong \triangle KIJ$



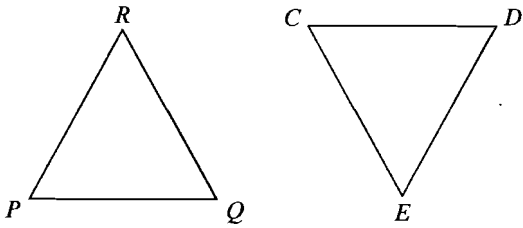
$\angle A \cong ?$

17) $\triangle DEF \cong \triangle VWU$



$\overline{EF} \cong ?$

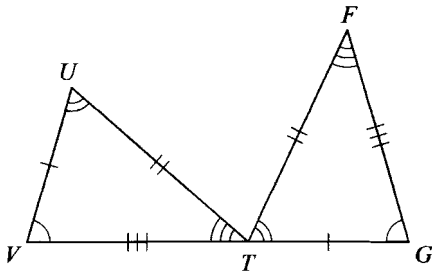
18) $\triangle PRQ \cong \triangle CED$



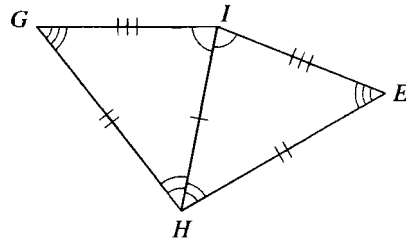
$\overline{QP} \cong ?$

Write a statement that indicates that the triangles in each pair are congruent.

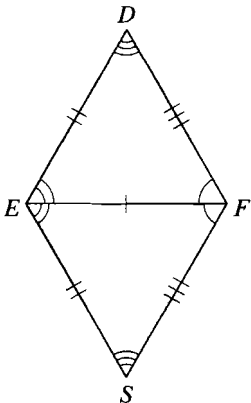
19)



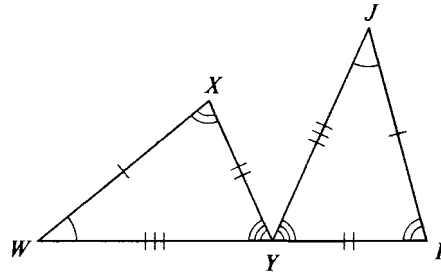
20)

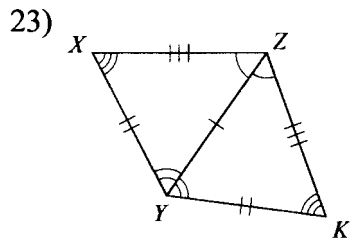


21)

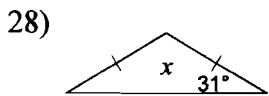
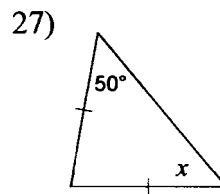
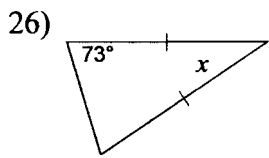
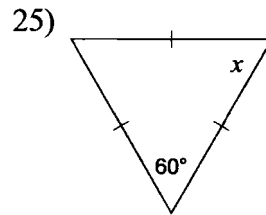
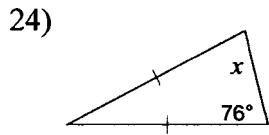


22)

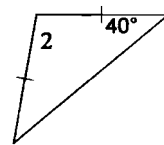




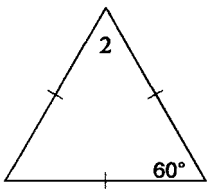
Find the value of x .



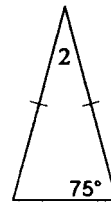
29) $m\angle 2 = 108 + x$



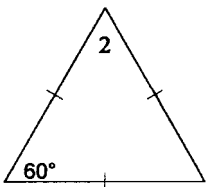
30) $m\angle 2 = 5x + 5$



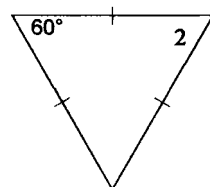
31) $m\angle 2 = 4x + 2$



32) $m\angle 2 = x + 72$



33) $m\angle 2 = 9x - 3$



Answers to Triangle Sum & Corresponding Angles/Sides

1) 25°

5) 4

9) \overline{TU}

13) $\angle S$

17) \overline{WU}

21) $\triangle FED \cong \triangle FES$

25) 60°

29) -8

33) 7

2) 50°

6) -11

10) \overline{QR}

14) \overline{JH}

18) \overline{DC}

22) $\triangle WXY \cong \triangle JIY$

26) 34°

30) 11

3) 70°

7) -11

11) $\angle V$

15) \overline{DE}

19) $\triangle VUT \cong \triangle GTF$

23) $\triangle ZYX \cong \triangle ZYK$

27) 50°

31) 7

4) 89°

8) -11

12) $\angle L$

16) $\angle K$

20) $\triangle IHG \cong \triangle IHE$

24) 76°

28) 118°

32) -12