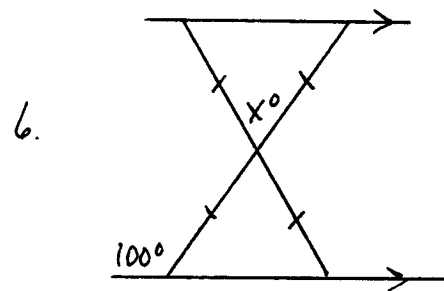
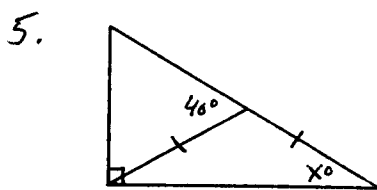
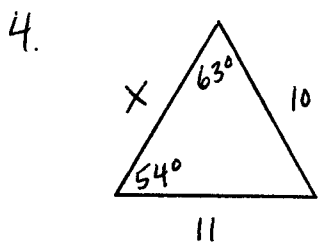
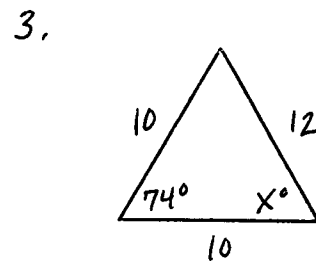
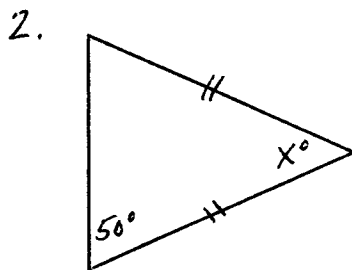
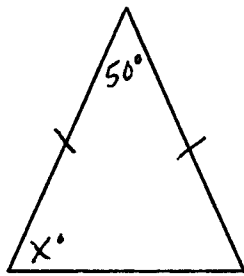


Sec 4.5

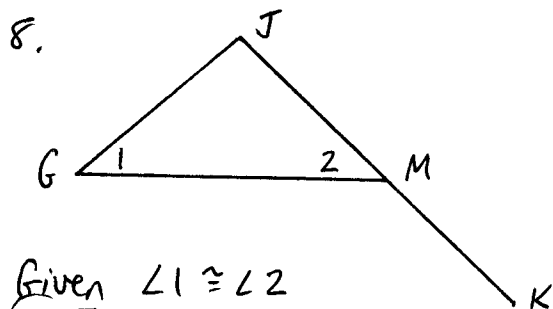
ISOSCELES TRIANGLES

FOR 1-6, FIND THE VALUE OF X:



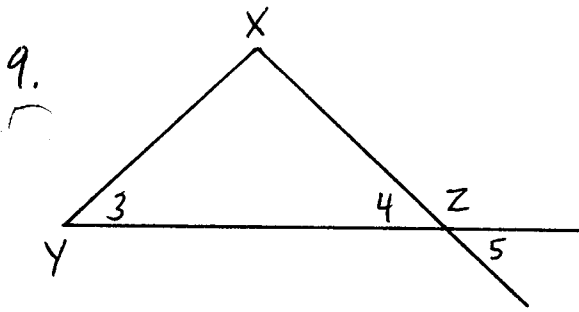
7. In  $\triangle JKL$ ,  $\overline{JK} \cong \overline{KL}$ ,  $m\angle J = 2x - y$ ,  $m\angle K = 2x + 2y$  and  $m\angle L = x + 2y$ . Find the values of  $x$  and  $y$ .

FOR, 8-11, SOLVE EACH PROOF:



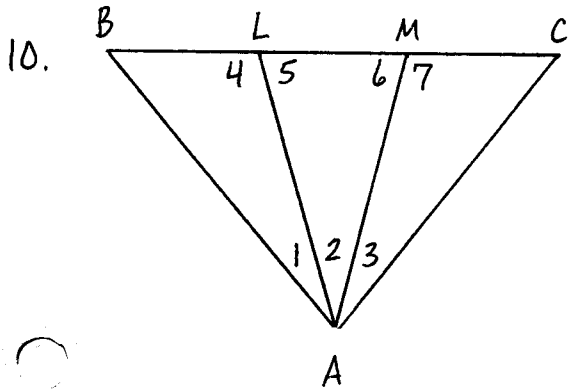
Given  $\angle 1 \cong \angle 2$   
 M is midpt of  $\overline{JK}$

Prove  $\overline{JG} \cong \overline{MK}$



Given  $\overline{XY} \cong \overline{XZ}$

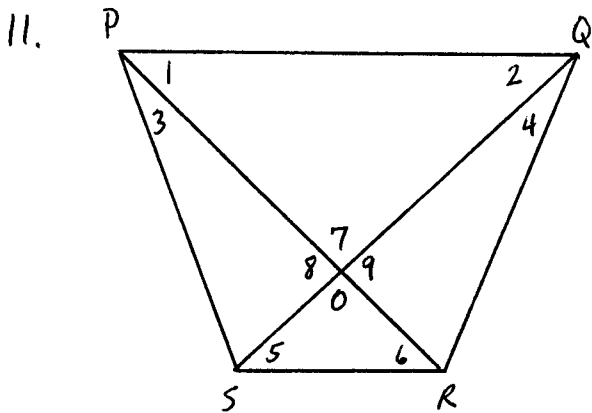
Prove  $\angle 3 \cong \angle 5$



Given  $\overline{AB} \cong \overline{AC}$

$\angle 1 \cong \angle 3$

Prove  $\angle 5 \cong \angle 6$



Given  $\overline{OP} \cong \overline{OQ}$

$\angle 3 \cong \angle 4$

Prove  $\angle 5 \cong \angle 6$