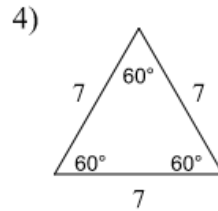
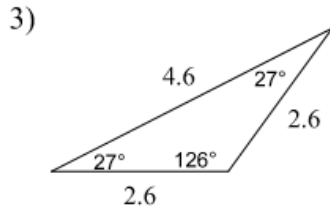
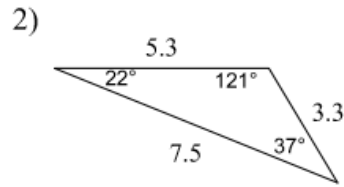
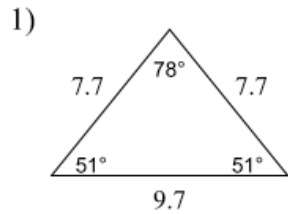
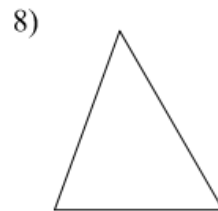
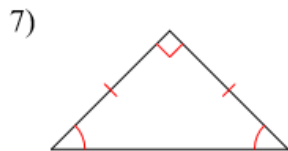
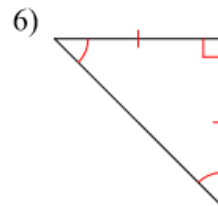
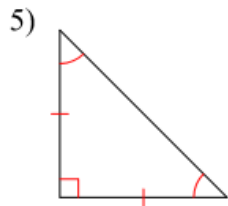


Review

Classify each triangle by its angles and sides.



Classify each triangle by its angles and sides. Equal sides and equal angles, if any, are indicated in each diagram.

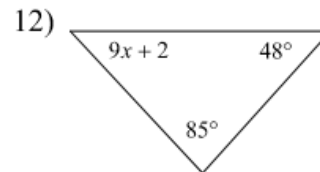
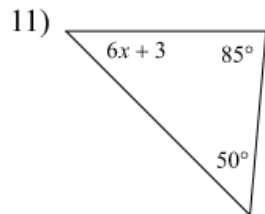


Sketch an example of the type of triangle described. Mark the triangle to indicate what information is known.

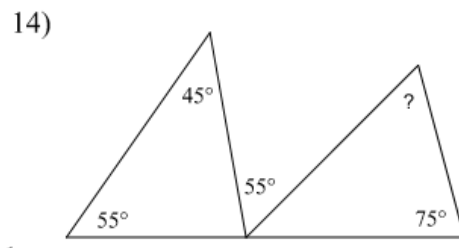
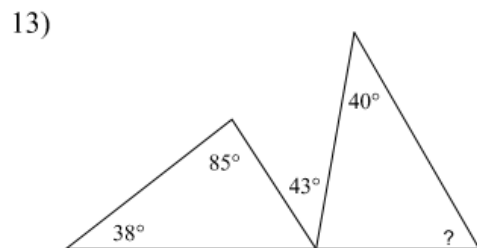
9) acute isosceles

10) acute scalene

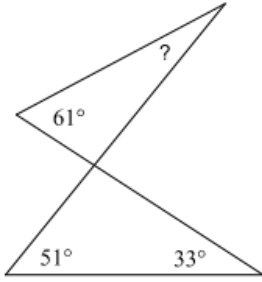
Solve for x .



Find the measure of each angle indicated.

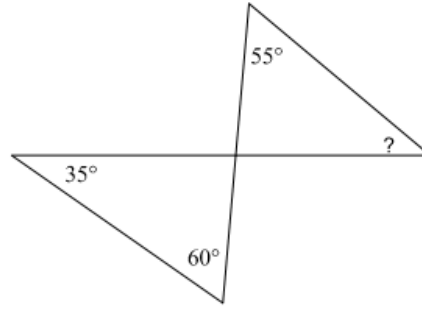


o 15)

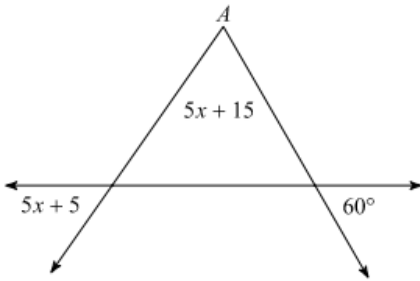


Find the measure of angle A.

16)

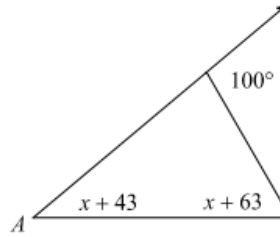


17)



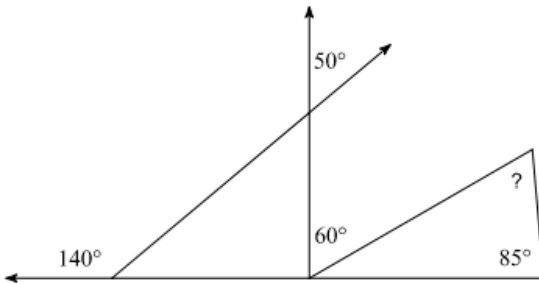
Find the measure of each angle indicated.

18)

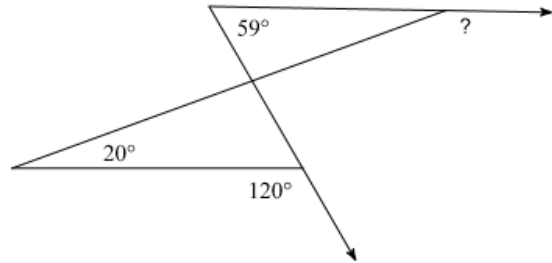


C
P

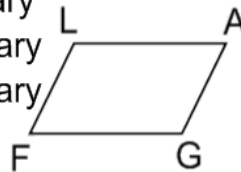
19)



20)

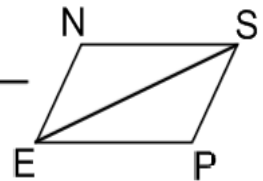


Given: FLAG is a parallelogram
 Prove: $\angle F$ and $\angle L$ are supplementary
 $\angle L$ and $\angle A$ are supplementary
 $\angle A$ and $\angle G$ are supplementary
 $\angle G$ and $\angle F$ are supplementary



Statement	Reason

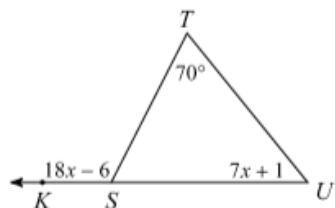
Given: PENS is a parallelogram
 Prove: $\overline{PE} \cong \overline{NS}$ and $\overline{EN} \cong \overline{SP}$



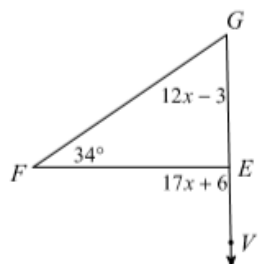
Statement	Reason

Find the measure of the angle indicated.

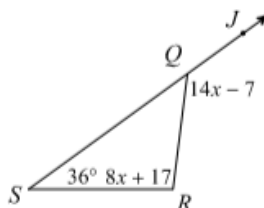
25) Find $m\angle U$.



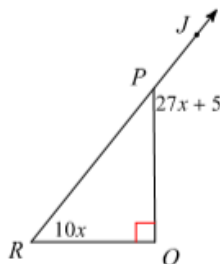
27) Find $m\angle VEF$.



26) Find $m\angle R$.

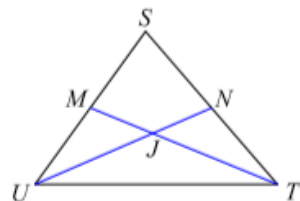


28) Find $m\angle R$.

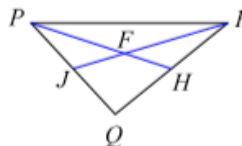


Each figure shows a triangle with one or more of its medians.

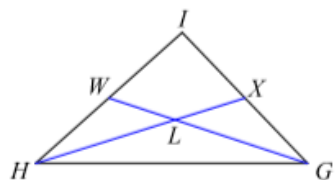
29) Find x if $UJ = 4x + 6$ and $UN = 9x - 3$



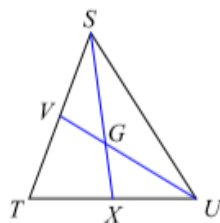
30) Find x if $RJ = 5x + 8$ and $FJ = 2x + 1$



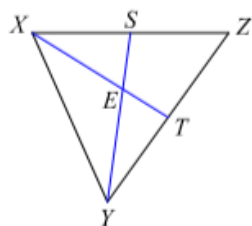
31) Find x if $GW = 3x - 3$ and $LW = 2x - 4$



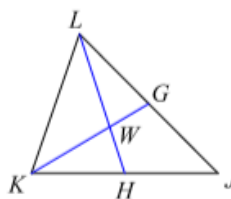
32) Find x if $UG = x + 1$ and $GV = x - 2$



33) Find XE if $XE = 2x - 4$ and $XT = x + 4$

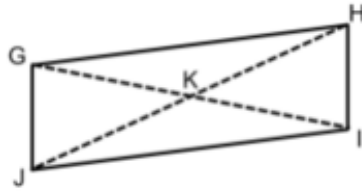


34) Find WH if $LW = x - 2$ and $LH = x + 3$



GHIJ is a parallelogram. Find the value of each of the following variables.

a. $\overline{GH} = 9x - 4$ and $\overline{JI} = 5x + 12$

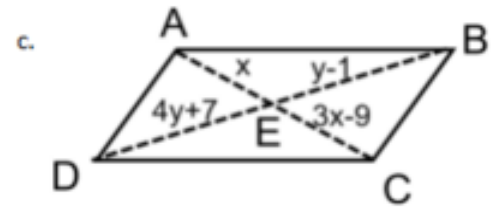
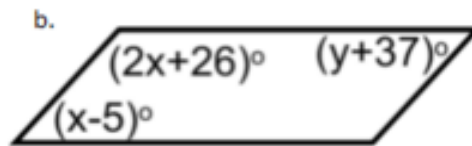
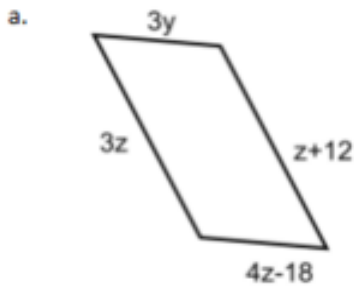


b. $\angle HGJ = (11y + 68)^\circ$ and $\angle GHI = (13y + 4)^\circ$

c. $\angle GJI = (3w + 10)^\circ$ and $\angle IHG = (9w - 98)^\circ$

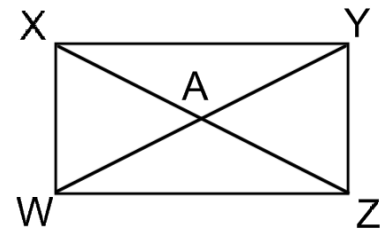
d. $\overline{GK} = 3z + 2$ and $\overline{KI} = z + 34$

9. Determine the value of each variable that would make the following a parallelogram. Explain which converse property would make it a parallelogram.



10. The following figure is a rectangle. Find the value of the given variable.

a. $\overline{XA} = 2x + 4$ and $\overline{WA} = 3x - 2$



b. $\overline{XZ} = 6x - 5$ and $\overline{YW} = 2x + 19$

c. $\overline{YA} = x + 3$ and $\overline{XZ} = 5x - 9$