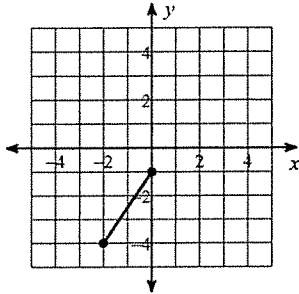


Final Review - Part 2

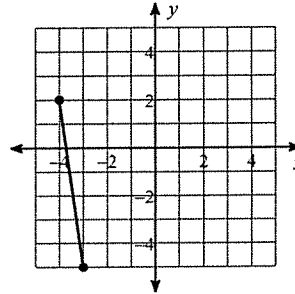
Find the distance between each pair of points. Round your answer to the nearest tenth, if necessary.

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

1)



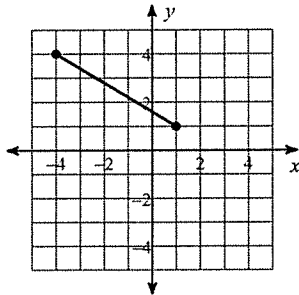
2)



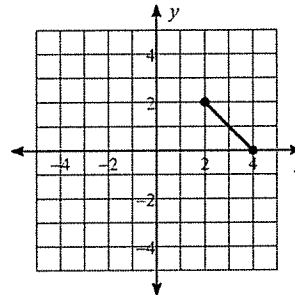
Find the midpoint of each line segment.

$$M \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$

3)

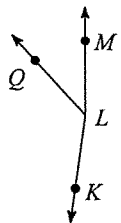


4)

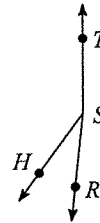


** Remember Supplementary angles = 180° .

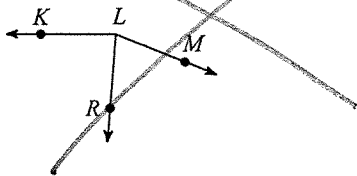
5) Find $m\angle QLM$ if $m\angle KLM = 28x + 4$, $m\angle QLM = 6x + 6$, and $m\angle KLQ = 130^\circ$.



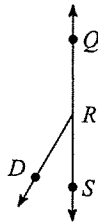
6) $m\angle RSH = 30^\circ$, $m\angle RST = 1 + 173x$, and $m\angle HST = -1 + 145x$. Find $m\angle HST$.



- 7) Find $m\angle MLR$ if $m\angle MLR = 7x + 2$,
 $m\angle RLK = 86^\circ$, and $m\angle MLK = 14x + 18$.



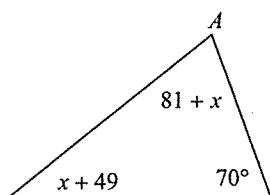
- 8) $m\angle DRQ = 150^\circ$, $m\angle SRQ = 89x + 2$,
and $m\angle SRD = 14x + 2$. Find $m\angle SRD$.



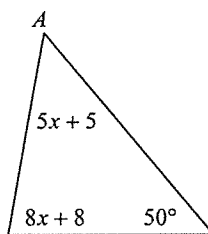
Find the measure of angle A.

Remember "Sum of Angle of triangle = 180° "

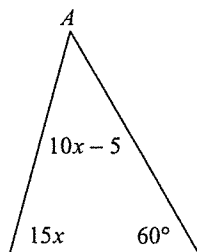
9)



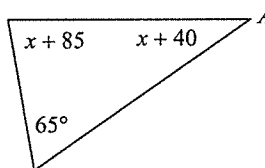
10)



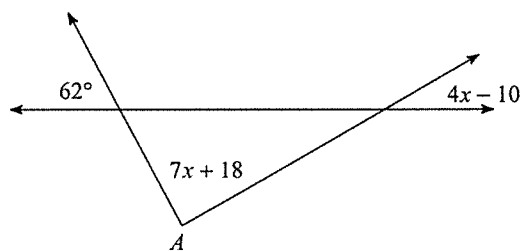
11)



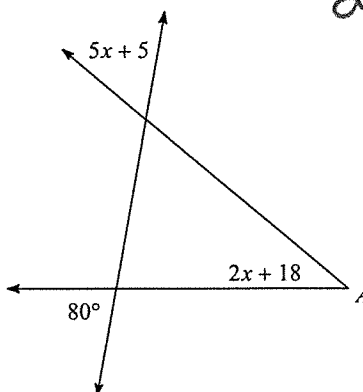
12)



13)



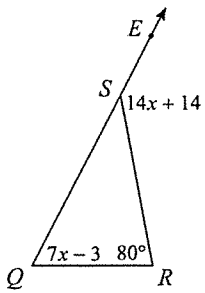
14)



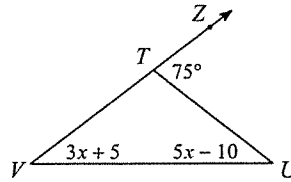
* Remember *
* Vertical angles are Congruent *

Find the measure of the angle indicated.

15) Find $m\angle Q$.



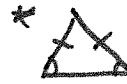
16) Find $m\angle U$.



Find the value of x .

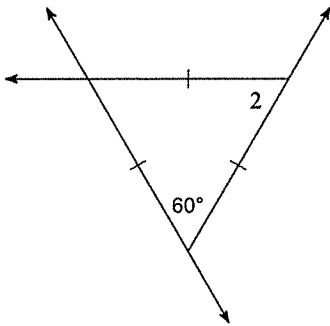


equilateral

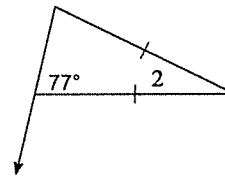


isocoles

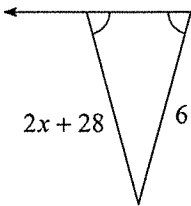
17) $m\angle 2 = 10x$



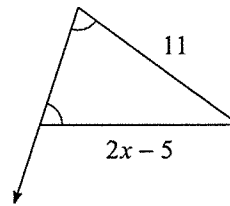
18) $m\angle 2 = x + 16$



19)



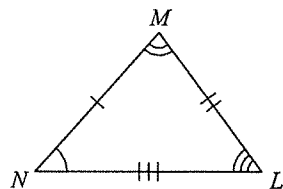
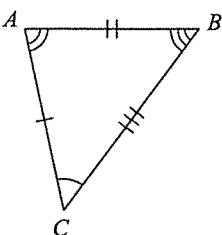
20)



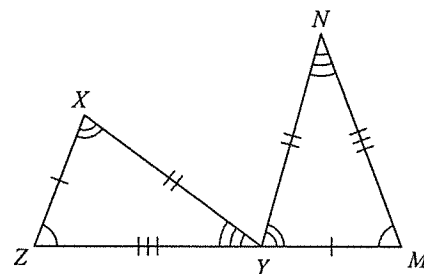
Write a statement that indicates that the triangles in each pair are congruent.

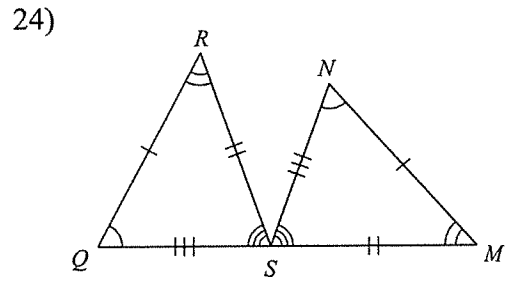
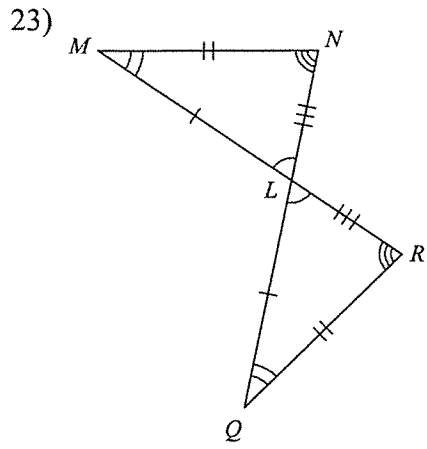
SSS, SAS, ASA
AAS, HL

21)



22)





State if the two triangles are congruent. If they are, state how you know.

