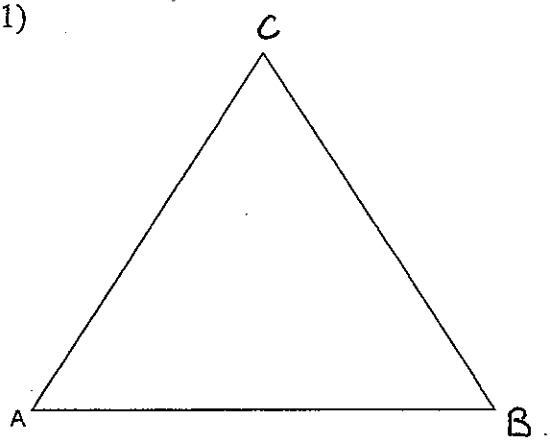
Geometry Name_____

Section 5.3--Altitudes and Medians of Triangles

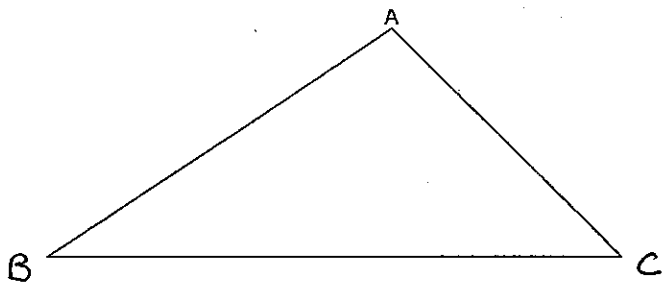
Date_____ Period____

For each triangle, construct the median from vertex A, vertex B, and vertex C. Include all appropriate tick marks.

1)

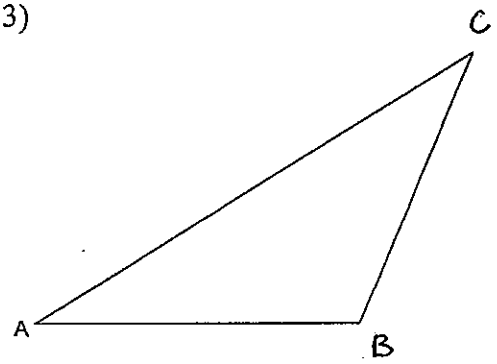


2)



For each triangle, construct the altitude from vertex A, vertex B. and vertex C. Include all appropriate marks.

3)



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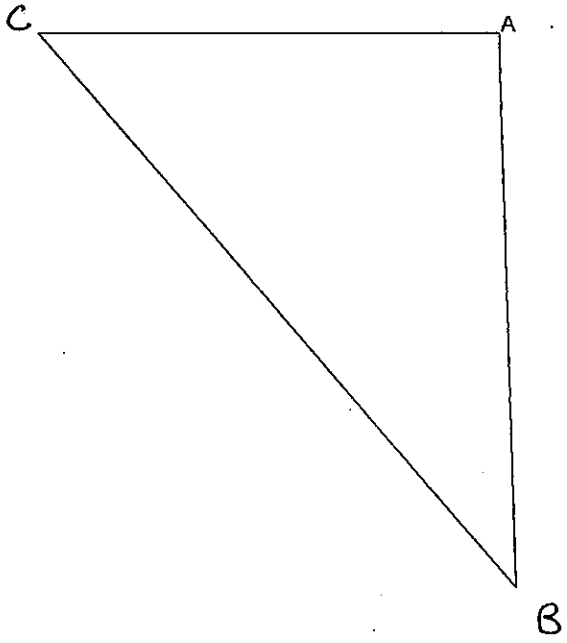
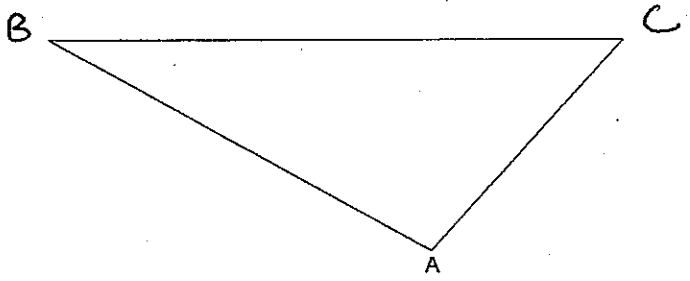
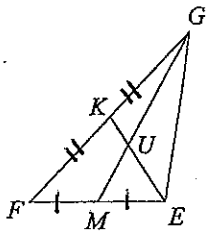


5)

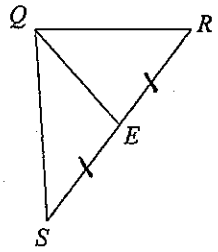


Each figure shows a triangle with one or more of its medians.

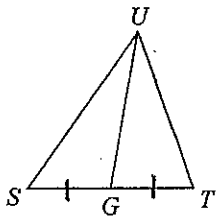
6) Find ME if $FE = 7$



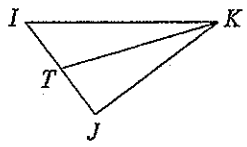
7) Find ER if $SR = 15.2$



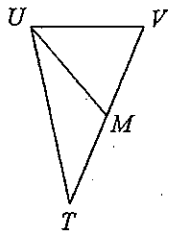
8) Find GS if $GT = 5$



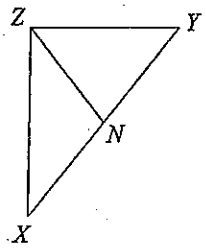
9) Find TI if $TJ = 3$



10) Find TV if $MV = 4$

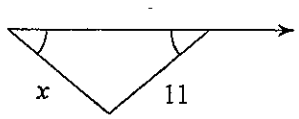


11) Find NY if $XY = 4$



REVIEW. Find the value of x. Give the reason you know.

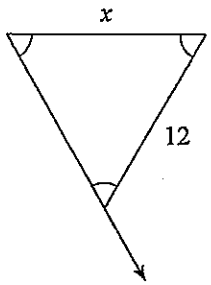
12)



X = _____

Reason: _____

13)

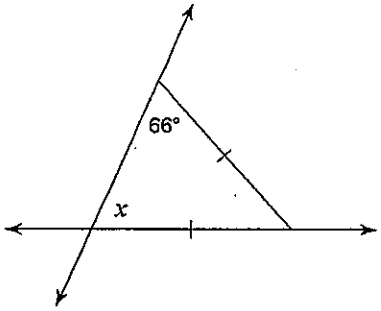


X = _____

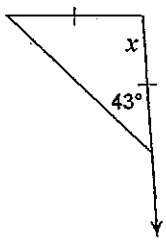
Reason: _____

REVIEW: Circle all base angles in each isosceles triangle. Use the Isosceles Triangle Theorem (I.T.T) to find the value of x.

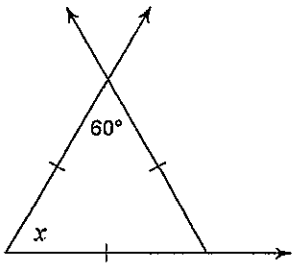
14)



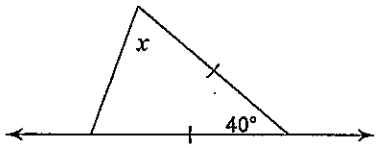
15)



16)

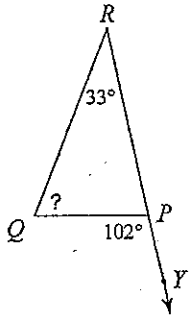


17)

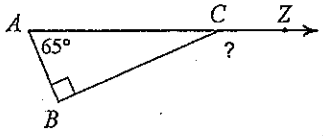


REVIEW. Use the Exterior Angles Theorem (E.A.T.) to find the measure of each ?.

18)

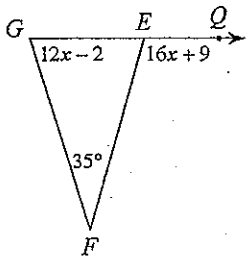


19)

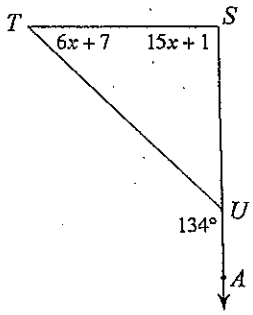


REVIEW. Write an equation to find the value of x. Solve. Then find the measure of the angle indicated.

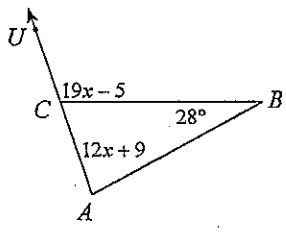
20) Find $m\angle G$.



21) Find $m\angle T$.



22) Find $m\angle UCB$.



23) Find $m\angle A$.