

7-4 Triangle Properties

In your own words, explain the definitions of the following vocabulary terms.

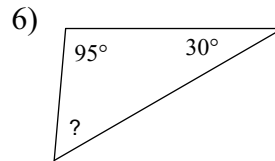
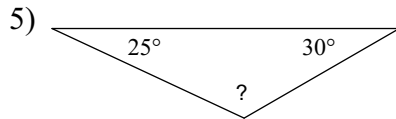
1) Midsegment

2) Isosceles Triangle

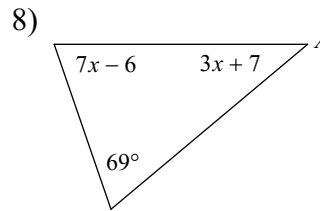
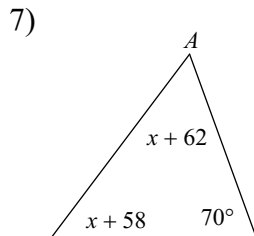
3) Triangle Sum Theorem

4) Equilateral Triangle

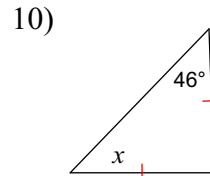
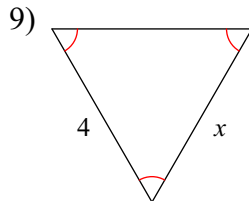
Find the measure of each angle indicated.

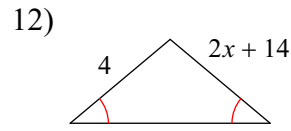
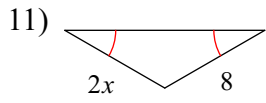


Find the measure of angle A. Justify your answer (in words).

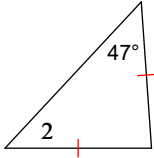


Find the value of x and state your reasoning (using words).

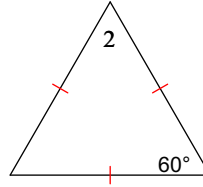




13) $m\angle 2 = x + 52$

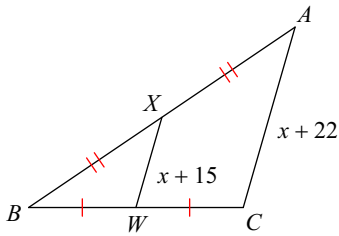


14) $m\angle 2 = x + 66$

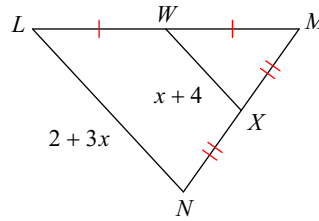


Solve for x and justify your reasoning (using words).

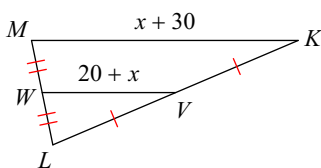
15)



16)



17)



18)

