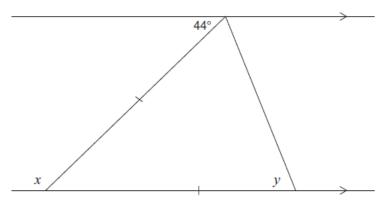
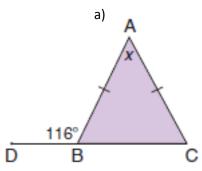
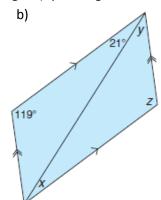
Geometry Review

1. Find the values of x and y in the diagram below.

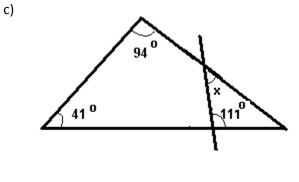


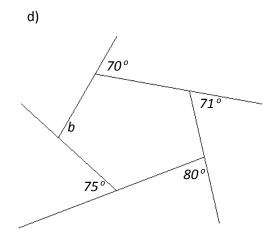
2. Find the value of the missing angles (by solving for unknown variables) in each sketch below.

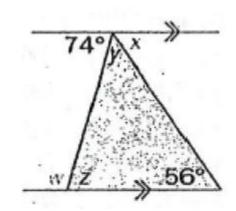


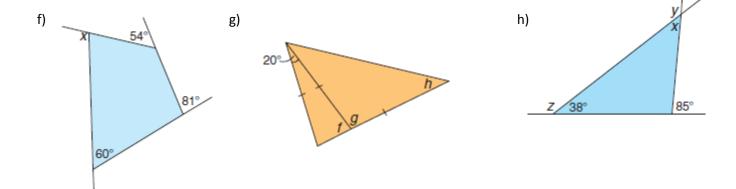


e)

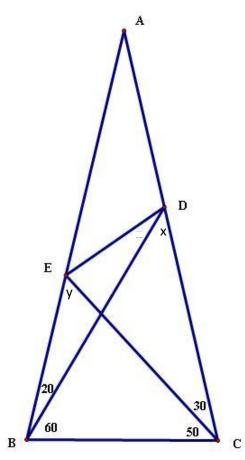




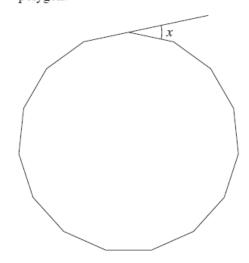




3. Determine the value of angle x in the diagram below.

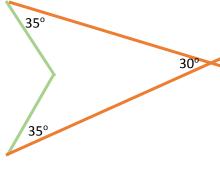


The following figure is a 15-sided regular polygon.



What is the value of x shown in the diagram?

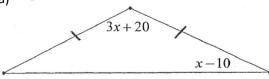
5. Calculate the unknown interior angle in the shape below.

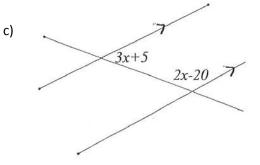


6. Solve for *x* in each diagram below.

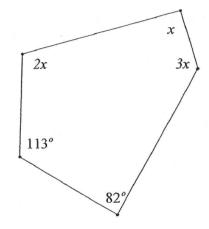
a)

4.

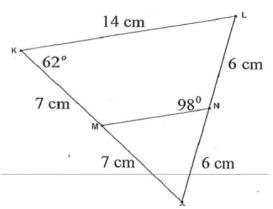




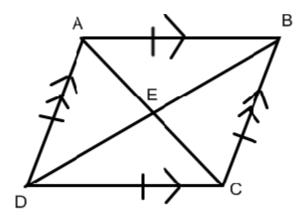
b)



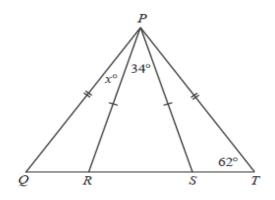
7. Find the measures of <KMN, <KLN, <NMO, <KOL and the length of MN. Justify your reasoning.



8. Examine the figure below. What type of quadrilateral is ABCD? If <ABC = 64° then solve for <BAE and <DCE. Justify your solution.



9. Find the value of *x*.



Y: $\langle KMN = 118^{\circ} \rangle \langle KFN = 85^{\circ} \rangle \langle KOF = 36^{\circ} \rangle \langle KOF = 36^{\circ} \rangle \langle KOF = 28^{\circ} \rangle \langle KOF = 28^{\circ}$

3. x=40, y = 4, x = 24 5. 260° 6. a) x=36 b) x=57.5 c) x=39

h) z=142, x=47, y=133

01=4

2. a) $x=52^{\circ}$ b) z=119, x=21, y=40 c) x=24 d) b=116 e) w=106, z=74, y=50, x=56 f) x=105 g) f=80, g=100,

30 = 136, y = 68

ANSWERS