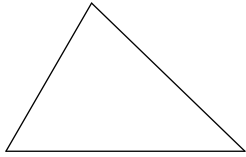


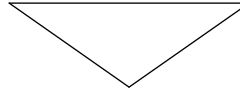
# Geometry - Homework 15

**Classify each triangle by its angles.**

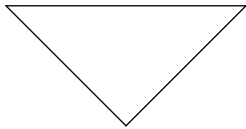
1)



2)

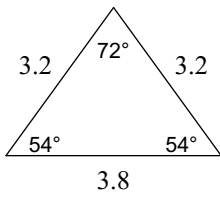


3)

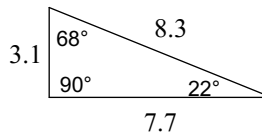


**Classify each triangle by its angles and sides.**

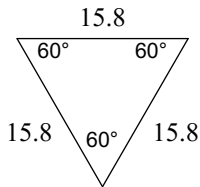
4)



5)



6)



**Sketch an example of the type of triangle described. Mark the triangle to indicate what information is known. If no triangle can be drawn, write "not possible."**

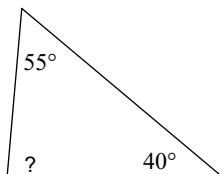
7) right scalene

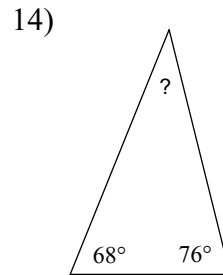
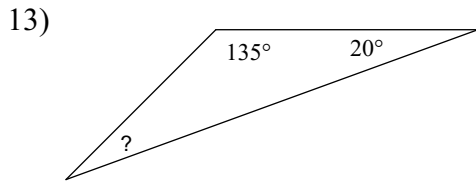
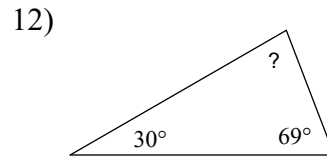
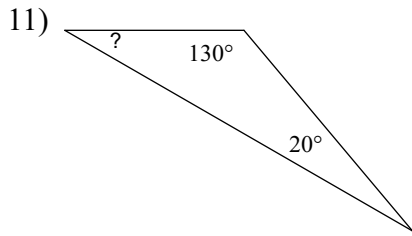
8) acute scalene

9) right equilateral

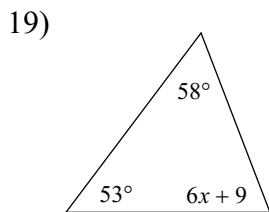
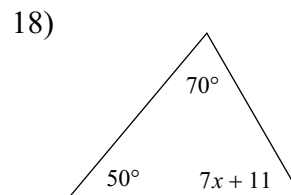
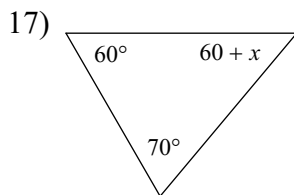
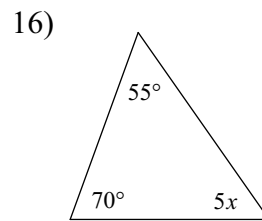
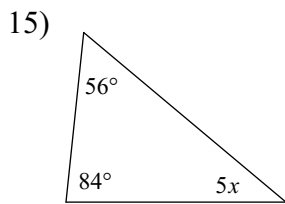
**Find the measure of each angle indicated.**

10)

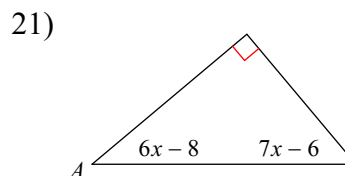
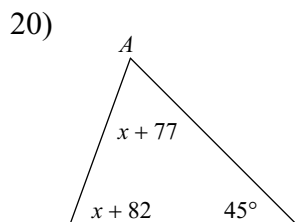




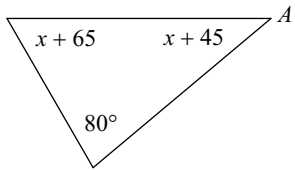
**Solve for  $x$ .**



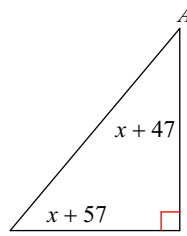
**Find the measure of angle A.**



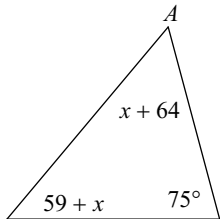
22)



23)

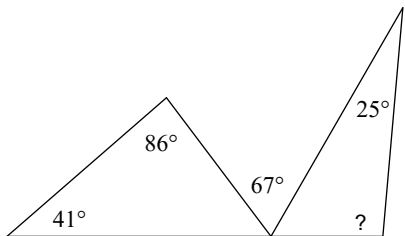


24)

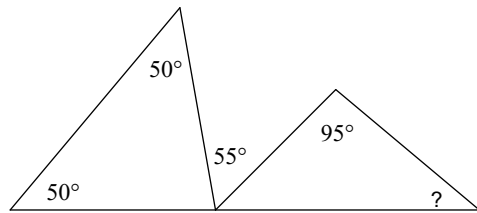


**Find the measure of each angle indicated.**

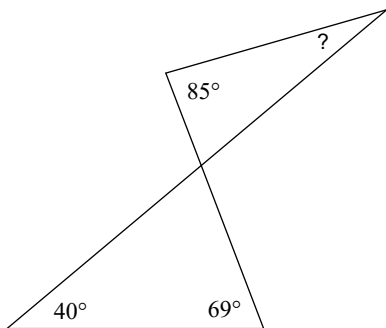
25)



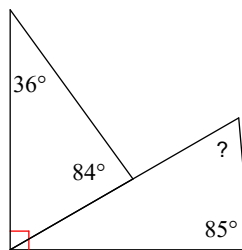
26)



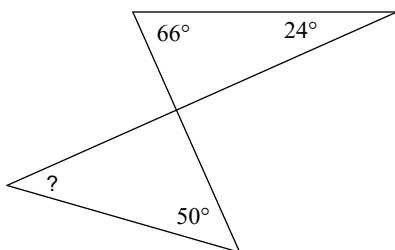
27)



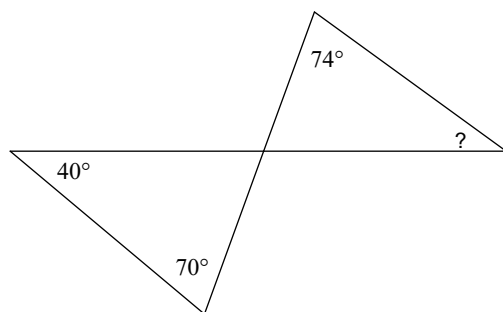
28)



29)



30)



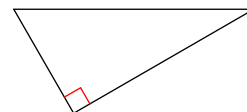
## Answers to Geometry - Homework 15

1) acute

3) right

5) right scalene

7)



9) Not possible

11)  $30^\circ$

13)  $25^\circ$

15) 8

17) -10

19) 10

21)  $40^\circ$

23)  $40^\circ$

25)  $95^\circ$

27)  $24^\circ$

29)  $40^\circ$