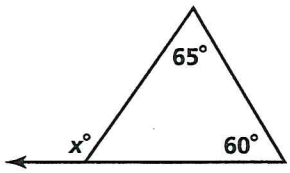
Name _____ Class _____ Date _____

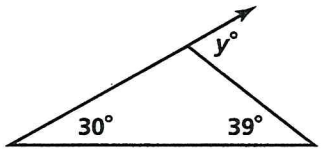
Practice 3-4

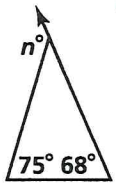
Parallel Lines and the Triangle Angle-Sum Theorem

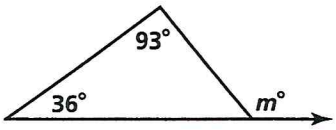
DO 7, 8 + 9 plus your choice of 2 more

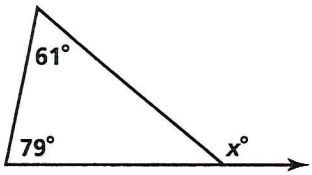
Find the value of each variable. using an equation w/ an unknown variable

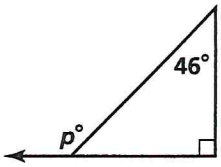
1. 

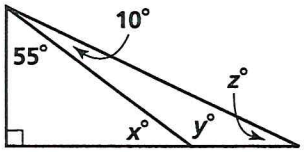
2. 

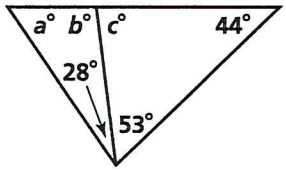
3. 

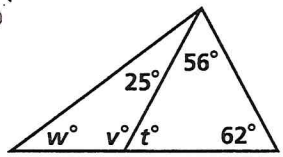
4. 

5. 

6. 

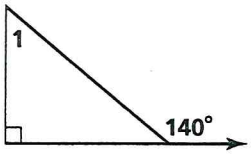
7. 

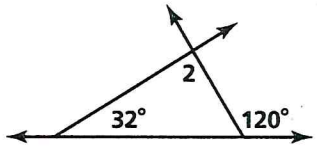
8. 

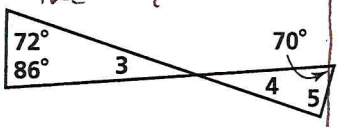
9. 

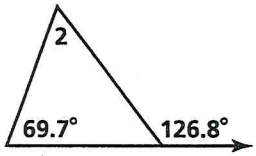
Find the measure of each numbered angle. use m∠1 or m∠2 as your unknown in the equation

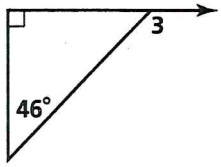
DO 12 and 15 plus your choice of one more

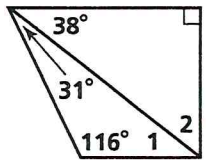
10. 

11. 

12. 

13. 

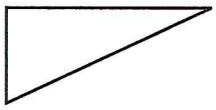
14. 

15. 

16. The sides of a triangle are 10 cm, 8 cm, and 10 cm. Classify the triangle.

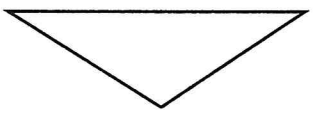
17. The angles of a triangle are 44°, 110°, and 26°. Classify the triangle.

~~Use a protractor and a centimeter ruler to measure the angles and the sides of each triangle.~~ **Classify each triangle by its angles and sides.**

18. 

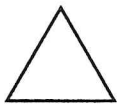
Sides:

∠'s:

19. 

Sides:

∠'s:

20. 

Sides:

∠'s: