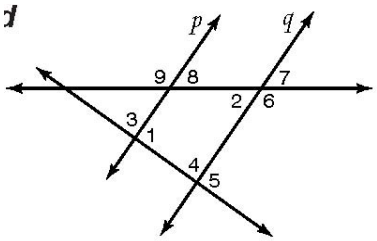
Geometry Worksheet Section 3.1 & 3.2

In the figure at the right p ll q , m∠1 = 78, and m∠2= 47. Find the measure of each angle.



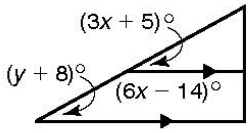
1. ∠3 **2.** ∠4 **3.** ∠5

4. ∠6 **5.** ∠7 **6.** ∠8

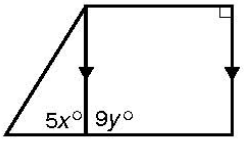
7. ∠9

Find the values of x and y in each figure.

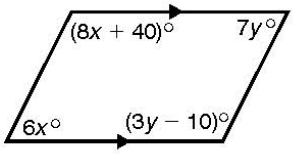
8.



9.

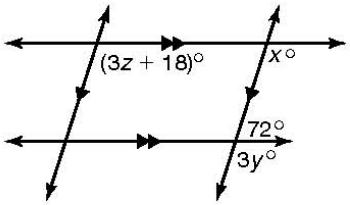


10.

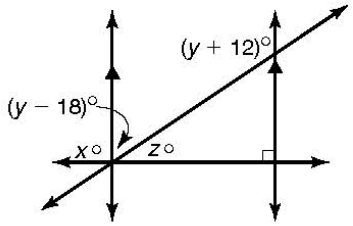


Find the values of x, y and z in each figure.

11.



12.



State the transversal that forms each pair of angles. Then identify the special name for the angle pair. (Corresponding, Consecutive Interior, Alternate Interior, Vertical, or None of these)

13. ∠1 and ∠12

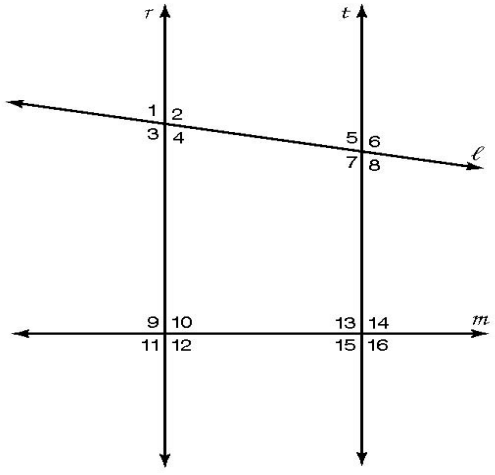
14. ∠2 and ∠10

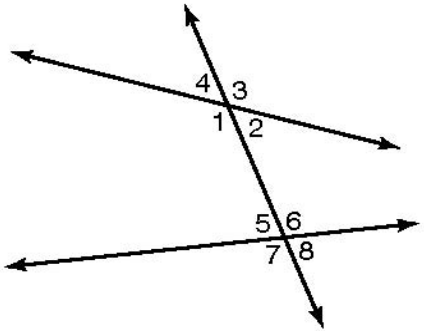
15. ∠4 and ∠9

16. ∠6 and ∠3

17. ∠14 and ∠10

18. ∠7 and ∠13





Identify the special name for each pair of angles in the figure.

19. ∠2 and ∠6 **20.** ∠4 and ∠8

21. ∠4 and ∠5 **22.** ∠2 and ∠5