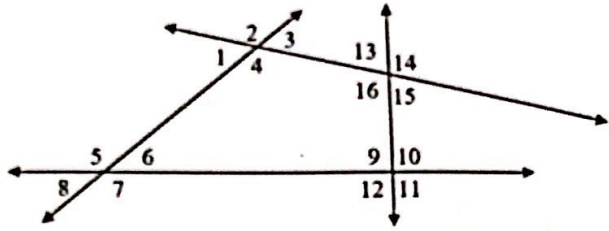


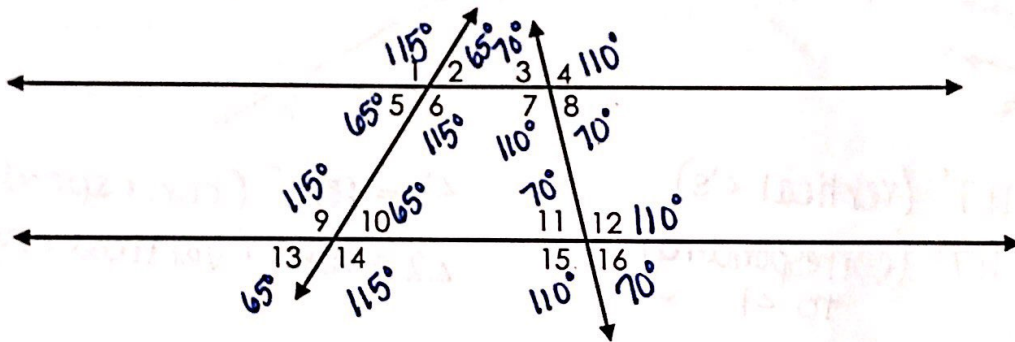
Day 5 - Parallel Line Relationships Practice

Refer to the figure and identify the special angle pair name.

- 1)  $\angle 3$  and  $\angle 13$  same side interior
- 2)  $\angle 8$  and  $\angle 10$  alternate exterior
- 3)  $\angle 11$  and  $\angle 15$  corresponding
- 4)  $\angle 8$  and  $\angle 6$  vertical
- 5)  $\angle 1$  and  $\angle 6$  alternate interior
- 6)  $\angle 6$  and  $\angle 10$  corresponding
- 7)  $\angle 14$  and  $\angle 15$  linear pair



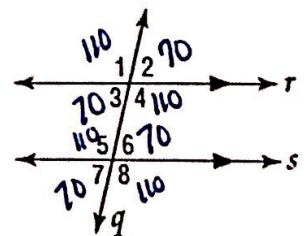
Refer to the figure below and determine the following angle measures if  $m\angle 1 = 115^\circ$  and  $m\angle 12 = 110^\circ$ . Then name the special angle pair.



- 8.  $m\angle 9 = 115^\circ$
- 9.  $m\angle 10 = 65^\circ$
- 10.  $m\angle 8 = 70^\circ$
- 11.  $m\angle 3 = 70^\circ$
- 12.  $m\angle 4 = 110^\circ$
- 13.  $m\angle 11 = 70^\circ$
- 14.  $m\angle 5 = 65^\circ$
- 15.  $m\angle 14 = 115^\circ$
- 16.  $\angle 7$  and  $\angle 2$  alternate interior
- 17.  $\angle 6$  and  $\angle 14$  corresponding
- 18.  $\angle 13$  and  $\angle 12$  alternate exterior
- 19.  $\angle 7$  and  $\angle 11$  same side interior

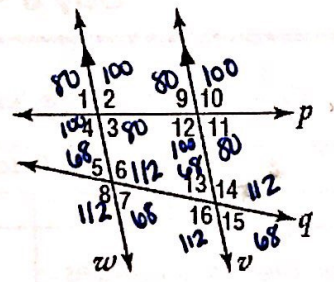
In the figure,  $m\angle 2 = 70$ . Find the measure of each angle.

- 1.  $\angle 3 = 70^\circ$
- 2.  $\angle 5 = 110^\circ$
- 3.  $\angle 8 = 110^\circ$
- 4.  $\angle 1 = 110^\circ$
- 5.  $\angle 4 = 110^\circ$
- 6.  $\angle 6 = 70^\circ$



In the figure,  $m\angle 9 = 80$  and  $m\angle 5 = 68$ . Find the measure of each angle.

- 7.  $\angle 12$   $100^\circ$
- 8.  $\angle 1$   $80^\circ$
- 9.  $\angle 4$   $100^\circ$
- 10.  $\angle 3$   $80^\circ$
- 11.  $\angle 7$   $68^\circ$
- 12.  $\angle 16$   $112^\circ$



In the figure,  $m\angle 3 = 75$  and  $m\angle 10 = 115$ . Find the measure of each angle.

- 13.  $\angle 2$   $105^\circ$
- 14.  $\angle 5$   $105^\circ$
- 15.  $\angle 7$   $105^\circ$
- 16.  $\angle 15$   $115^\circ$
- 17.  $\angle 14$   $65^\circ$
- 18.  $\angle 9$   $65^\circ$

