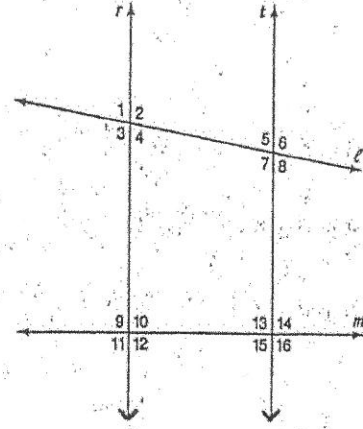


# 3.1-2 Practice Quiz

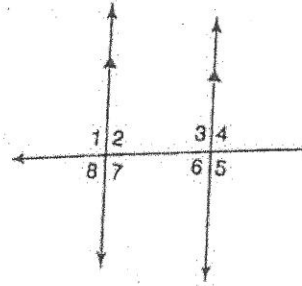
#1-5. Use the diagram to state the transversal that forms each pair of angles, then identify the special name for the angle pair.

1.  $\angle 1$  and  $\angle 12$
2.  $\angle 2$  and  $\angle 10$
3.  $\angle 6$  and  $\angle 3$
4.  $\angle 14$  and  $\angle 10$
5.  $\angle 13$  and  $\angle 7$

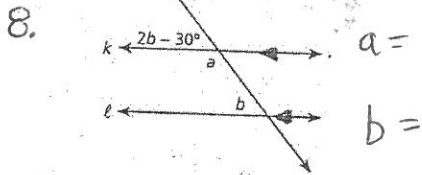


#6 & 7, Use diagram at right.

6. If  $m\angle 4 = 2x - 25$  and  $m\angle 8 = x + 26$ , find  $m\angle 2$ . Explain your reasoning.



7.  $m\angle 2 = 3x - 10$  and  $m\angle 3 = 4x + 50$ . Find  $m\angle 4$ .



9. Solve the system.

$$\begin{cases} 4x + 5y = 7 \\ 3x - 2y = 11 \end{cases}$$

(About 5 steps)

10. Given:  $l_1 \parallel l_2$  and  $l_3 \parallel l_4$   
 Prove:  $\angle 1 = \angle 11$

