

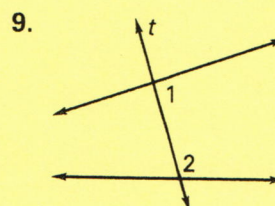
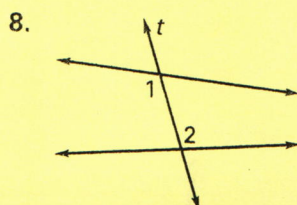
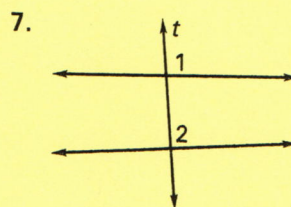
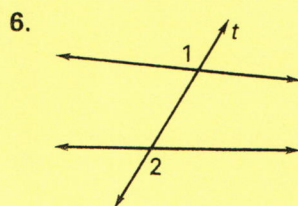
# Practice A

For use with pages 121–125

Match the key word with its definition.

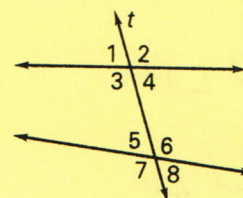
- |                              |                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------|
| 1. transversal               | A. two angles that lie between the two lines on the same side of the transversal      |
| 2. corresponding angles      | B. two angles that occupy corresponding positions                                     |
| 3. same-side interior angles | C. two angles that lie between the two lines on the opposite sides of the transversal |
| 4. alternate exterior angles | D. a line that intersects two or more coplanar lines at different points              |
| 5. alternate interior angles | E. two angles that lie outside the two lines on the opposite sides of the transversal |

Describe the relationship between  $\angle 1$  and  $\angle 2$ .



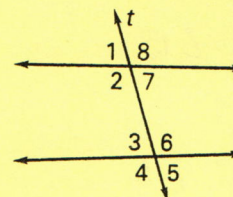
Use the diagram shown at the right to name a pair of angles that fits the description. There is more than one correct answer.

- |                        |                        |
|------------------------|------------------------|
| 10. corresponding      | 11. alternate interior |
| 12. alternate exterior | 13. same-side interior |



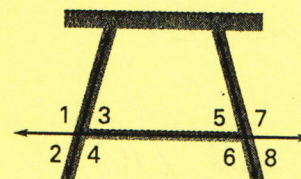
Use the diagram at the right to complete the statement using *corresponding*, *alternate interior*, *alternate exterior*, or *same-side interior*.

- |                                                        |                                                        |
|--------------------------------------------------------|--------------------------------------------------------|
| 14. $\angle 6$ and $\angle 8$ are <u>  ?  </u> angles. | 15. $\angle 1$ and $\angle 5$ are <u>  ?  </u> angles. |
| 16. $\angle 2$ and $\angle 6$ are <u>  ?  </u> angles. | 17. $\angle 4$ and $\angle 8$ are <u>  ?  </u> angles. |
| 18. $\angle 6$ and $\angle 7$ are <u>  ?  </u> angles. | 19. $\angle 1$ and $\angle 3$ are <u>  ?  </u> angles. |



A picnic table is shown in the sketch at the right. Describe the relationship between the angles.

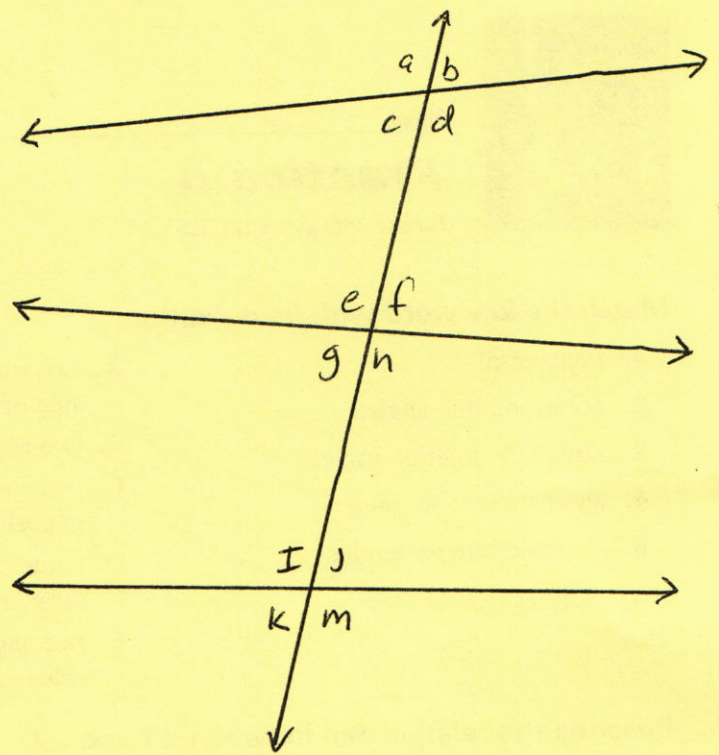
- |                               |                               |
|-------------------------------|-------------------------------|
| 20. $\angle 3$ and $\angle 7$ | 21. $\angle 2$ and $\angle 7$ |
| 22. $\angle 4$ and $\angle 6$ | 23. $\angle 3$ and $\angle 6$ |





Identify the relationship between the angles listed.

1.  $\angle d$  and  $\angle e$
2.  $\angle f$  and  $\angle j$
3.  $\angle c$  and  $\angle j$
4.  $\angle a$  and  $\angle m$
5.  $\angle e$  and  $\angle k$
6.  $\angle a$  and  $\angle f$
7.  $\angle c$  and  $\angle i$



8.  $\angle 2$  and  $\angle 10$
9.  $\angle 16$  and  $\angle 5$
10.  $\angle 7$  and  $\angle 13$
11.  $\angle 14$  and  $\angle 10$
12.  $\angle 4$  and  $\angle 13$
13.  $\angle 3$  and  $\angle 6$
14.  $\angle 3$  and  $\angle 8$
15.  $\angle 14$  and  $\angle 11$

