

NAME Kay

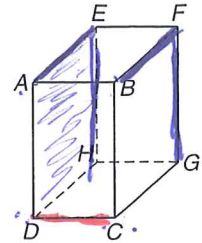
DATE _____

PERIOD _____

3-1 Skills Practice

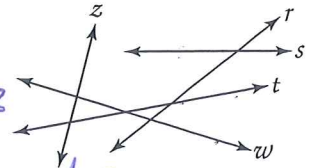
Parallel Lines and Transversals

For Exercises 1-4, refer to the figure at the right.



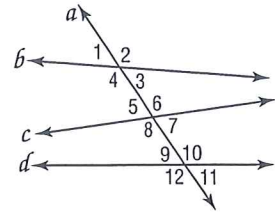
1. Name all planes that are parallel to plane DEH .
Plane BCG
2. Name all segments that are parallel to \overline{AB} .
 $\overline{DC}, \overline{EF}, \overline{GH}$
3. Name all segments that intersect \overline{GH} .
 $\overline{CG}, \overline{DH}, \overline{EH}, \overline{FG}$
4. Name all segments that are skew to \overline{CD} .
 $\overline{AE}, \overline{BF}, \overline{EH}, \overline{FG}$

Identify the sets of lines to which each given line is a transversal.



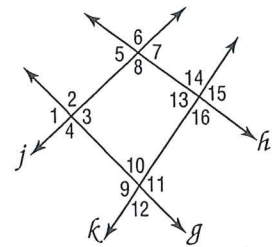
5. r *(lines s and t , s and w , s and z , t and w , t and z)*
 6. s *w and z*
 7. w *r and t , r and z , t and z , w and z*
- r and s , r and t , r and z , s and t , s and z , t and z*

Identify each pair of angles as *alternate interior*, *alternate exterior*, *corresponding*, or *consecutive interior* angles.



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|---|---|
| 8. $\angle 2$ and $\angle 8$ <i>AEA</i> | 9. $\angle 3$ and $\angle 6$ <i>Consecutive Interior</i> |
| 10. $\angle 1$ and $\angle 9$ <i>Corresponding</i> | 11. $\angle 3$ and $\angle 9$ <i>AIA</i> |
| 12. $\angle 6$ and $\angle 12$ <i>AEA</i> | 13. $\angle 7$ and $\angle 11$ <i>Corresponding</i> |

Name the transversal that forms each pair of angles. Then identify the special name for the angle pair.



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|--|---|
| 14. $\angle 4$ and $\angle 10$ <i>j; AIA</i> | 15. $\angle 2$ and $\angle 12$ <i>j; AEA</i> |
| 16. $\angle 7$ and $\angle 3$ <i>j; Corresponding</i> | 17. $\angle 13$ and $\angle 10$ <i>k; Consecutive Interior</i> |
| 18. $\angle 8$ and $\angle 14$ <i>h; AIA</i> | 19. $\angle 6$ and $\angle 14$ <i>h; corresponding</i> |