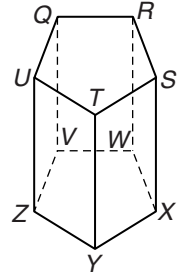


3-1

Practice

Parallel Lines and Transversals

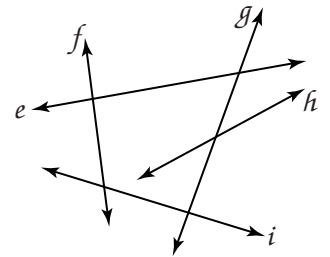
For Exercises 1–4, refer to the figure at the right.



1. Name all planes that intersect plane STX .
2. Name all segments that intersect \overline{QU} .
3. Name all segments that are parallel to \overline{XY} .
4. Name all segments that are skew to \overline{VW} .

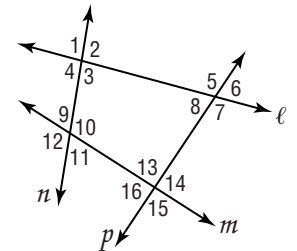
Identify the sets of lines to which each given line is a transversal.

5. e
6. h



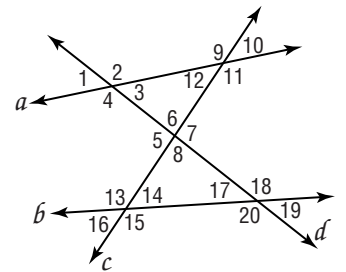
Identify each pair of angles as *alternate interior*, *alternate exterior*, *corresponding*, or *consecutive interior* angles.

- | | |
|-------------------------------|--------------------------------|
| 7. $\angle 9$ and $\angle 13$ | 8. $\angle 6$ and $\angle 16$ |
| 9. $\angle 3$ and $\angle 10$ | 10. $\angle 8$ and $\angle 14$ |

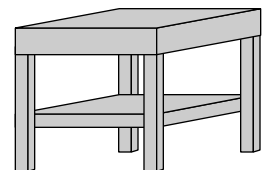


Name the transversal that forms each pair of angles. Then identify the special name for the angle pair.

- | | |
|---------------------------------|--------------------------------|
| 11. $\angle 2$ and $\angle 12$ | 12. $\angle 6$ and $\angle 18$ |
| 13. $\angle 13$ and $\angle 19$ | 14. $\angle 11$ and $\angle 7$ |



FURNITURE For Exercises 15–16, refer to the drawing of the end table.



15. Find an example of parallel planes.
16. Find an example of parallel lines.