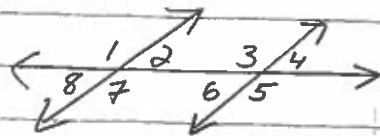


Key

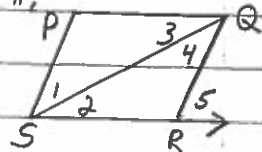
A#21 p. 76-77 WE# 1-17, 30-39 [Provide diagrams for support.]

1. $\angle 2$ and $\angle 6$ (Alt. Int. \angle s)
2. $\angle 8$ and $\angle 6$ (Corr. \angle s)
3. $\angle 2$ and $\angle 3$ (S.S. Int. \angle s)
4. $\angle 3$ and $\angle 7$ (Alt. Int. \angle s)
5. $\angle 5$ and $\angle 7$ (Corr. \angle s)
6. $\angle 3$ and $\angle 1$ (Corr. \angle s)
7. $\angle 2$ and $\angle 3$: 2 lines $\rightarrow \overline{PQ}, \overline{SR}$



For Ex #1-6,

For Ex #7-11,



8. $\angle 1$ and $\angle 4$: 2 lines $\rightarrow \overline{PS}, \overline{QR}$

Trans $\rightarrow \overline{SQ}$ Name \rightarrow Alt. Int. \angle s

9. $\angle P$ and $\angle PSR$: 2 lines $\rightarrow \overline{PQ}, \overline{SR}$

Trans $\rightarrow \overline{PS}$ Name \rightarrow S.S. Int. \angle s

10. $\angle 5$ and $\angle PSR$: 2 lines $\rightarrow \overline{PS}, \overline{QR}$

Trans $\rightarrow \overline{SR}$ Name \rightarrow Corr. \angle s

11. $\angle 5$ and $\angle PQR$: 2 lines $\rightarrow \overline{PQ}, \overline{SR}$

Trans $\rightarrow \overline{QR}$ Name \rightarrow Alt. Int. \angle s

12. $\angle EBA$ and $\angle FCB$: 2 lines $\rightarrow \overline{EJ}, \overline{FH}$

Trans $\rightarrow \overline{AD}$ Name \rightarrow Corr. \angle s

13. $\angle DCH$ and $\angle CBJ$: 2 lines $\rightarrow \overline{FH}, \overline{EJ}$

Trans $\rightarrow \overline{AD}$ Name \rightarrow Corr. \angle s

14. $\angle FCB$ and $\angle CBL$: 2 lines $\rightarrow \overline{EJ}, \overline{FH}$

Trans $\rightarrow \overline{AD}$ Name \rightarrow Alt. Int. \angle s

15. $\angle FCL$ and $\angle BLC$: 2 lines $\rightarrow \overline{EJ}, \overline{FH}$

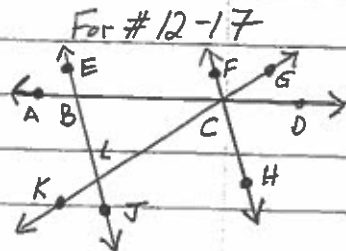
Trans $\rightarrow \overline{GK}$ Name \rightarrow S.S. Int. \angle s

16. $\angle HCB$ and $\angle CBJ$: 2 lines $\rightarrow \overline{EJ}, \overline{FH}$

Trans $\rightarrow \overline{AD}$ Name \rightarrow S.S. Int. \angle s

17. $\angle GCH$ and $\angle GLJ$: 2 lines $\rightarrow \overline{EJ}, \overline{FH}$

Trans $\rightarrow \overline{KG}$ Name \rightarrow Corr. \angle s



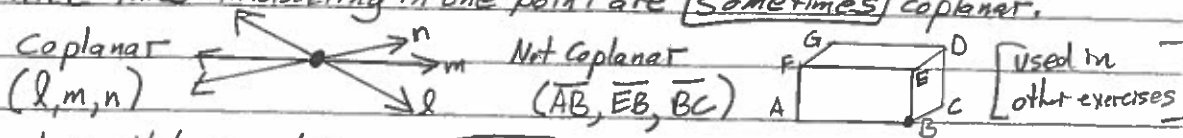
A#21 continued

Key

p. 77 WE# 30-39 [Provide diagrams for support.]

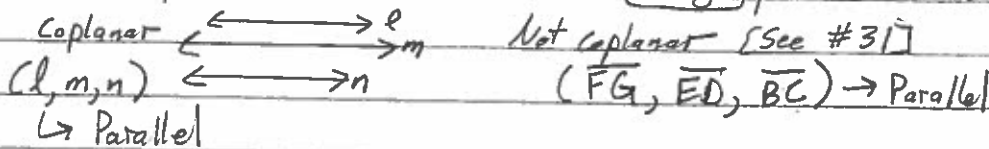
30. When there is a transversal of 2 lines, the 3 lines are **always** coplanar. [Definition of Transversal]

31. Three lines intersecting in one point are **sometimes** coplanar.

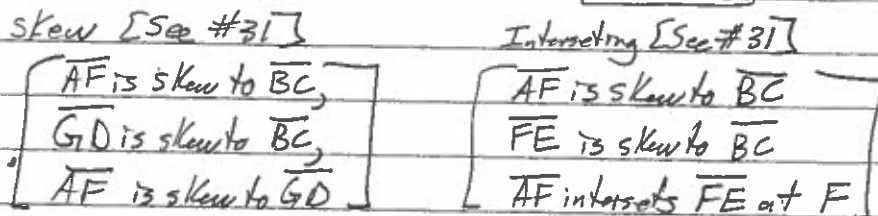


32. Two lines that are not coplanar **never** intersect. [Not coplanar \rightarrow skew]

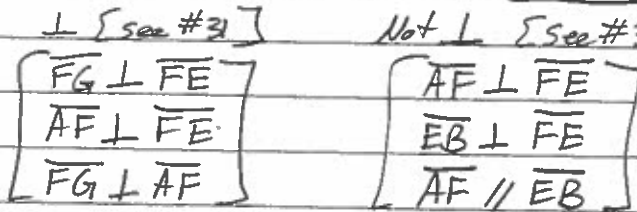
33. Two lines parallel to a 3rd line are **always** parallel to each other.



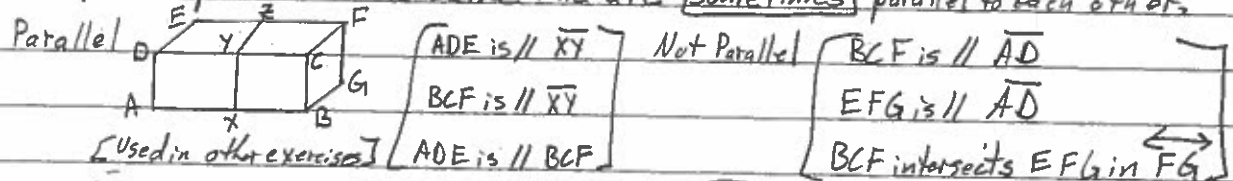
34. Two lines skew to a third line are **sometimes** skew to each other.



35. Two lines \perp to a third line are **sometimes** \perp to each other.



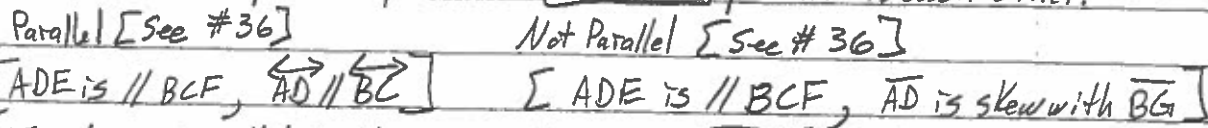
36. Two planes parallel to the same line are **sometimes** parallel to each other.



37. Two planes parallel to the same plane are **always** parallel to each other.

[See #36] $[\overline{ADE} \text{ is } \parallel \overline{XYZ}, \overline{BCF} \text{ is } \parallel \overline{XYZ}, \overline{ADE} \text{ is } \parallel \overline{BCF}]$

38. Lines in two parallel planes are **sometimes** parallel to each other.



39. Two lines parallel to the same plane are **sometimes** parallel to each other.

