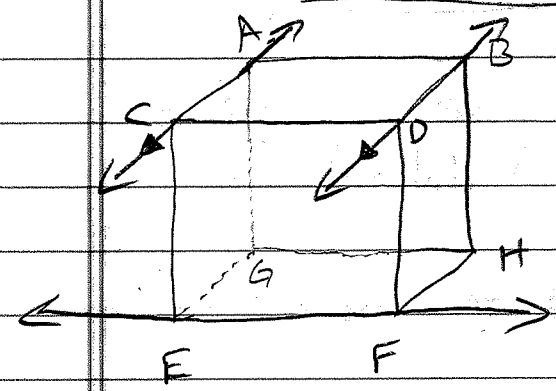


Ques Thes on 2,1,2,2,4,2,7
 VB.7 -

3.1 Pairs of Lines & Angles



Parallel Lines

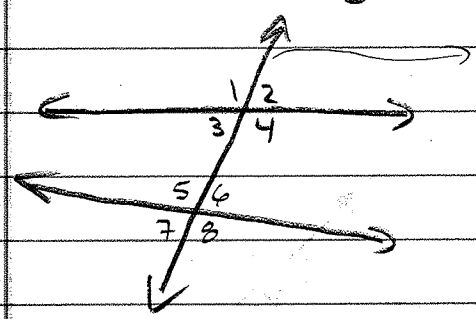
- never intersect
- are/must be coplanar
- $\overleftrightarrow{AC} \parallel \overleftrightarrow{DB}$... have \triangle on them

Skew Lines

- Never intersect
- Never coplanar
- \overleftrightarrow{EF} & \overleftrightarrow{DB} are skew or \overleftrightarrow{AC} & \overleftrightarrow{EF} are skew

(note: \perp means perpendicular, \parallel means parallel)

Types of Angles

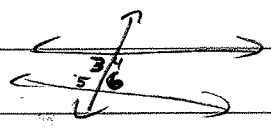


is called a transversal line - crosses 2 or more lines (in same plane)

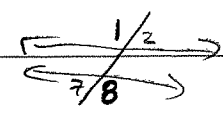
Corresponding Angles → Same spots on different lines (same side, either both top or bottom of lines)
 $\angle 1 \hat{=} \angle 5$, $\angle 2 \hat{=} \angle 6$, $\angle 3 \hat{=} \angle 7$ or $\angle 4 \hat{=} \angle 8$

P150: 1-13, 18-23

Alternate Interior \angle 's → Cross sides of transversal, on inside of 2 lines
 $\angle 3 \hat{=} \angle 6$ or $\angle 4 \hat{=} \angle 5$



Alternate Exterior \angle 's → Cross sides of transversal, on outside of 2 lines
 $\angle 1 \hat{=} \angle 8$ or $\angle 2 \hat{=} \angle 7$



Consecutive Interior \angle 's → Same side of transversal, on inside of 2 lines
 $\angle 4 \hat{=} \angle 6$ or $\angle 3 \hat{=} \angle 5$

