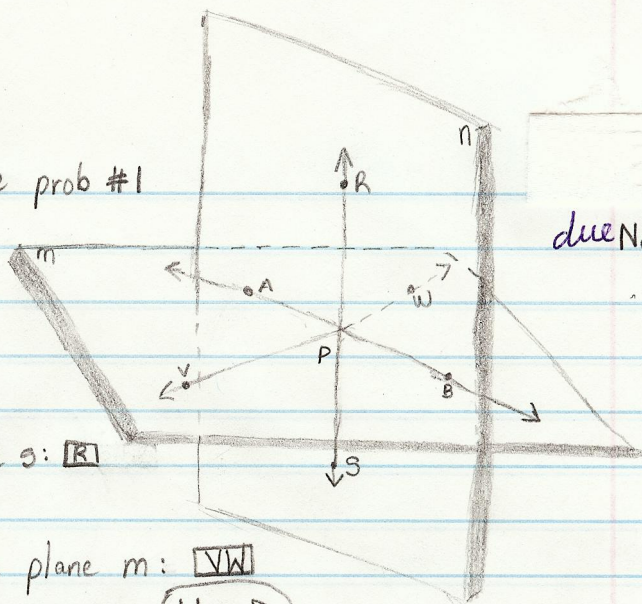


p. 272 sample prob #1

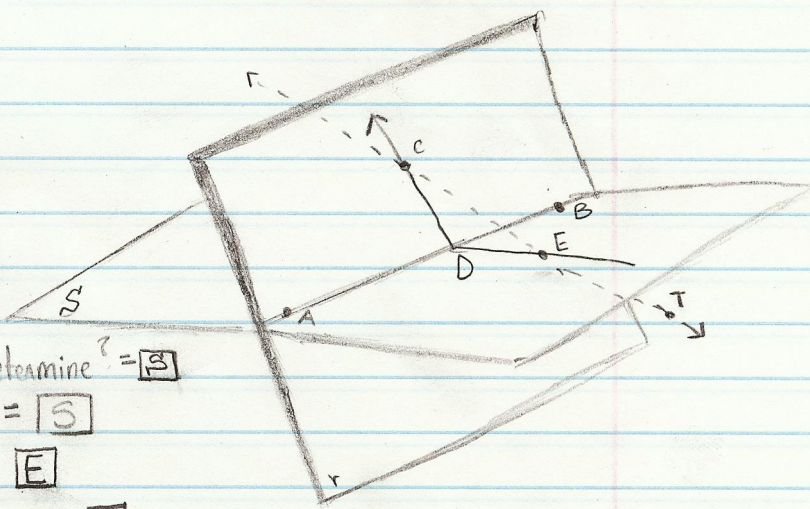
due Nov 17<sup>th</sup>, 08

- $m \cap n = \overleftrightarrow{AB}$
- A, B, and V determine plane =  $(m)$
- Name the foot of  $\overleftrightarrow{RS}$  in  $m = [P]$
- $\overleftrightarrow{AB}$  and  $\overleftrightarrow{AS}$  determine plane =  $(n)$
- $\overleftrightarrow{AB}$  and point  $?$  determine plane  $s$ :  $[R]$
- Does W lie in plane  $n$  =  $(No)$
- Line AB and line  $?$  determine plane  $m$ :  $[VW]$
- A, B, V and  $?$  are coplanar points:  $(W \text{ or } P)$
- A, B, V and  $?$  are noncoplanar points:  $[R \text{ or } S]$
- If R and S lie in plane  $n$ , what can be said about  $\overleftrightarrow{RS}$ ?  $(\overleftrightarrow{RS} \text{ lies in plane } n)$



p. 273 #2

- $r \cap s = \overleftrightarrow{AB}$
- $\overleftrightarrow{AB} \cap s = \overleftrightarrow{AB}$
- Name three collinear points =  $[C, E, T]$
- Name four noncoplanar points =  $[C, A, T, B]$
- What plane do points A, B, and E determine? =  $[S]$
- What plane do  $\overleftrightarrow{AB}$  and  $\overleftrightarrow{ED}$  determine? =  $[S]$
- Name the foot of  $\overleftrightarrow{TC}$  in plane  $s$  =  $[E]$
- Name the foot of  $\overleftrightarrow{TC}$  in plane  $r$  =  $[C]$
- Do  $\overleftrightarrow{CD}$  and  $\overleftrightarrow{ED}$  determine a plane? = Yes, because 2 intersecting lines determine a plane
- If  $\overleftrightarrow{CD} \perp \overleftrightarrow{AB}$  name the right angles formed =  $[ \angle CDA, \angle CDB ]$



## Commentary

- Virtually perfect!
- In #2f, answer should be  $s$  (lower case with serifs)
- In #1e, question should say "determine plane  $n$ "
- In #1e, the book's alternate answer ( $s$ , lower case) is invalid.  $\overleftrightarrow{AB}$  and point  $(S)$  (upper case) determine plane  $n$ .