

definition

§1.3: Def'n's for \neq 's

Horizontal vs. Vertical

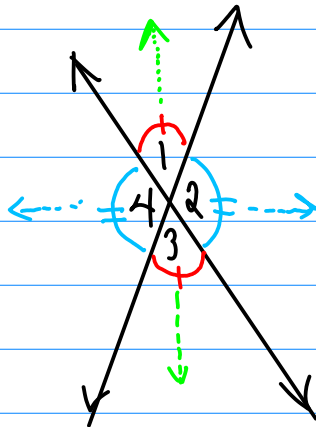


horizontal

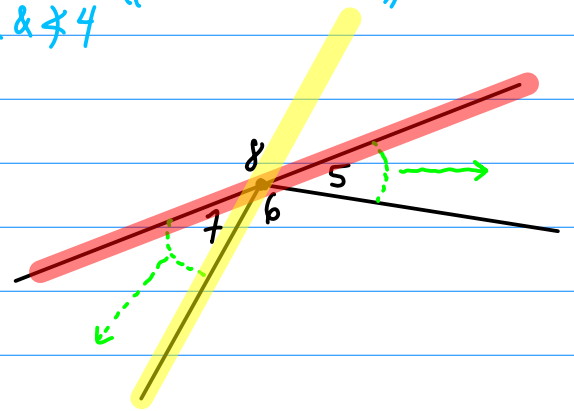


vertical

* Vertical \neq 's:



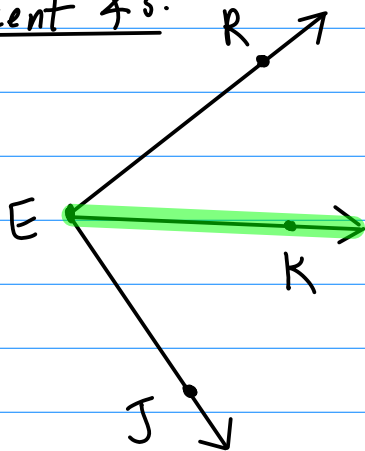
$\neq 1$ & $\neq 3$ are vertical \neq 's.
 $\neq 2$ & $\neq 4$ "



T/F: $\neq 5$ & $\neq 7$ are vertical \neq 's.

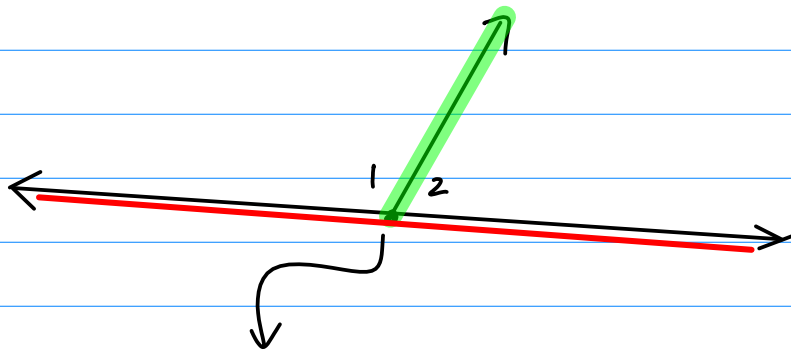
"next to"

* Adjacent \neq 's:



$\neq REK$ & $\neq JEK$ are adjacent \neq 's.

Ex:



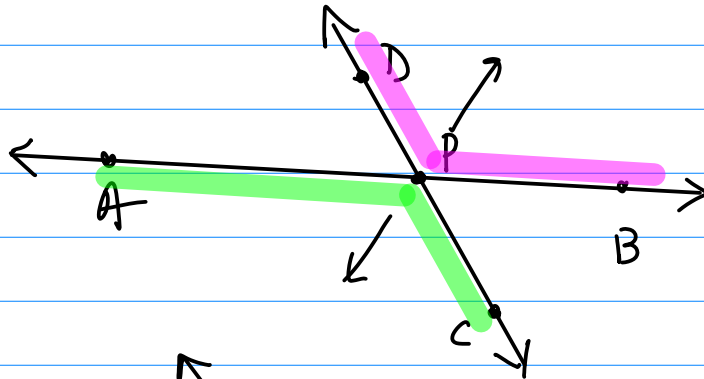
T/F: $\angle 1$ & $\angle 2$ are adjacent \angle 's. but...

*

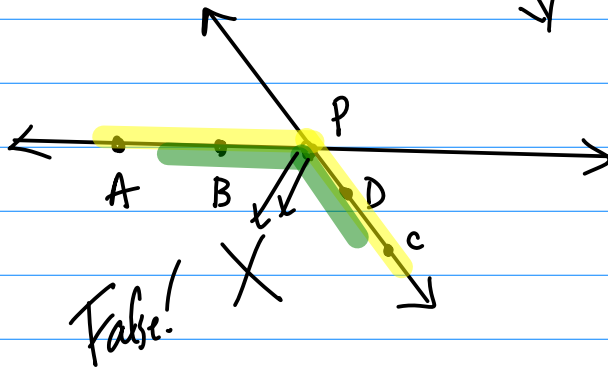
Adjacent \angle 's that, when taken together, form a line are a **LINEAR PAIR** of \angle 's

Ex:

If \overleftrightarrow{AB} & \overleftrightarrow{CD} intersect at P , then $\angle APC$ & $\angle BPD$ are vertical \angle 's. T/F?



True!



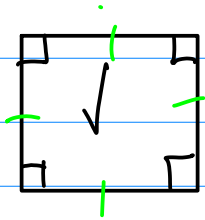
False!

COUNTEREXAMPLE

\therefore FALSE!

T/F?

* ~~Def'n of Square~~: "a 4-sided figure w/4 rt. \angle 's"
→ is this a good def'n? **NO!**

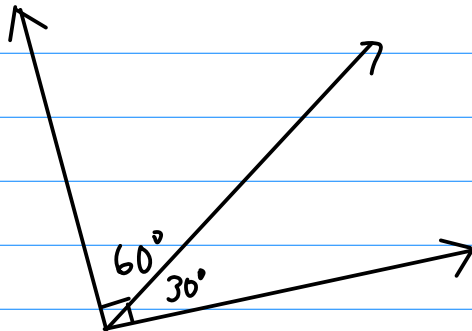


(counterexample)

* COMPLEMENTARY \angle 's

\angle 's that add up to 90°

C | S
 90° | 180°



SUPPLEMENTARY \angle 's

\angle 's that add up to 180°

