

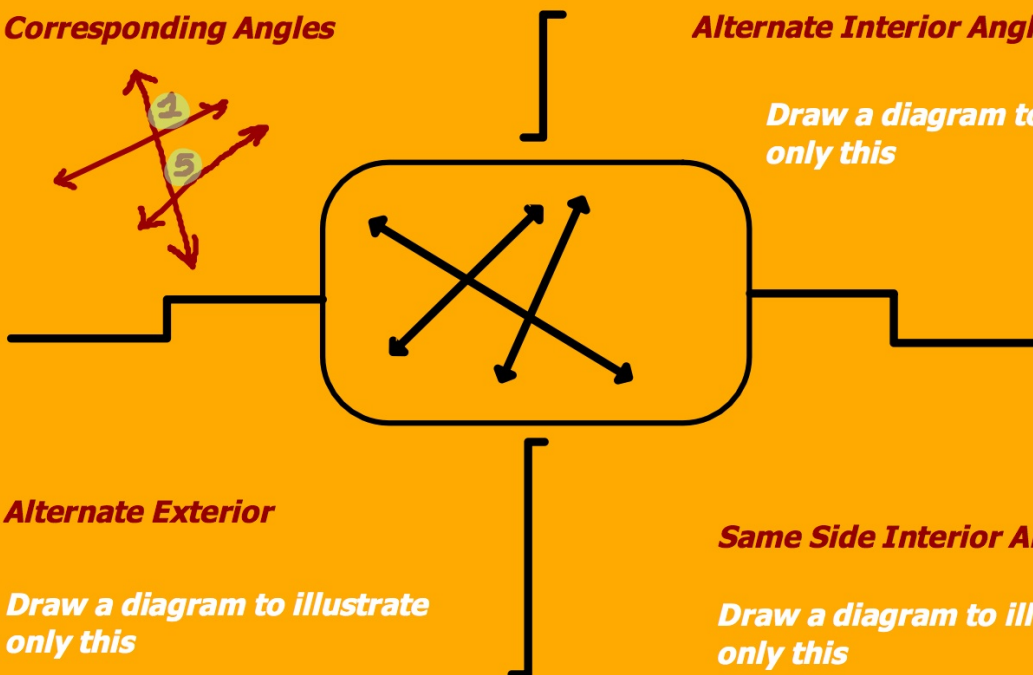
# 3-1 Lines & Transversals

**Corresponding Angles**



**Alternate Interior Angles**

*Draw a diagram to illustrate only this*



**Alternate Exterior**

*Draw a diagram to illustrate only this*

**Same Side Interior Angles**

*Draw a diagram to illustrate only this*

## **3-2 Parallel Lines & Transversals**

**IF 2 LINES ARE PARALLEL THEN  
THE....**

**Corresponding Angles  
Alternate Interior  
Alternate Exterior**

**IF 2 LINES ARE PARALLEL  
THEN...**

**Same Side Interior Angles..**

**Draw a  
general  
Diagram**

**At least 2 ALGEBRA EXAMPLES**

**All theorems for this section**

### 3-3 Converse of Parallel Lines & Transversals

If  $\angle 1 \cong \angle 3$



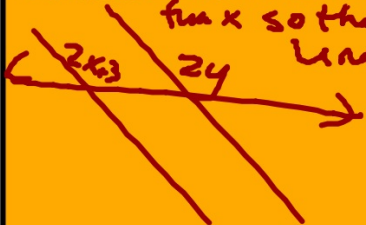
then  $a \parallel b$

2 LINES ARE PARALLEL IF...  
Same Side Interior Angles ARE...

If  $\angle 1 + \angle 2 = 180^\circ$   
then  $a \parallel b$

Draw a general Diagram  
REMEMBER THAT YOU  
DON'T KNOW IF THE  
LINES ARE PARALLEL.

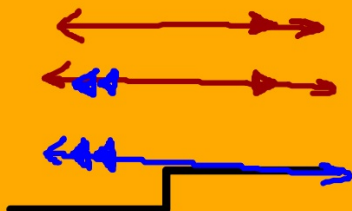
At least 2 ALGEBRA EXAMPLES  
find  $x$  so that the  
lines are  $\parallel$



All theorems &/OR  
postulates for this section

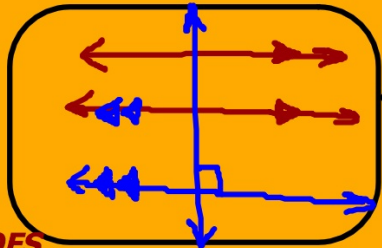
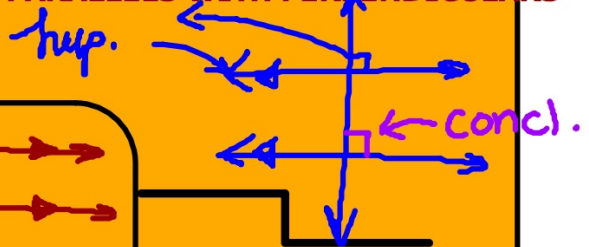
# 3-4 Parallel Lines & Perpendiculars

PARALLELS WITH PARALLELS



EXAMPLES WITH PROOFS

PARALLELS WITH PERPENDICULARS



All theorems for this section

DRAW A GENERAL  
DIAGRAM THAT