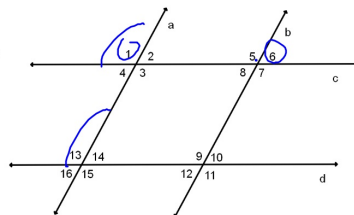


Geometry Bellwork Tuesday, November 26, 2013

1. Given: $a \parallel b$ and $c \parallel d$
 Prove: $\angle 6$ & $\angle 13$ are supplementary

Start by planning it out

Statement	Reason
1. $a \parallel b$ and $c \parallel d$	1. Given
2. $\angle 1$ and $\angle 6$ are supplementary	2. SSE
3. $\angle 1 \cong \angle 13$	3. corr $\angle$'s
4. $\angle 6$ and $\angle 13$ are supplementary	4. Subst.

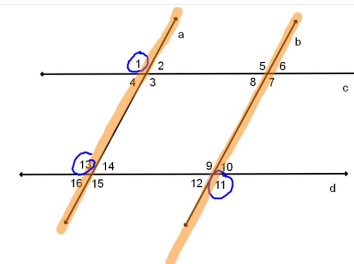


2. Given: $a \parallel b$ and $\angle 11 \cong \angle 1$

Prove: $c \parallel d$

Start by planning it out

Statement	Reason
1. $a \parallel b$ and $\angle 11 \cong \angle 1$	1. Given
2. $\angle 11 \cong \angle 13$	2. ALT EXT
3. $\angle 1 \cong \angle 13$	3. Subst.
4. $c \parallel d$	4. b/c corr $\angle$'s are $\cong$



3. What value of x will make lines a and b parallel?

