



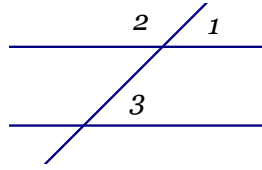
Name: _____

Date: _____

Period: _____

6. Given: $m\angle 3 + m\angle 2 = 180^\circ$

Prove: $m\angle 1 = m\angle 3$

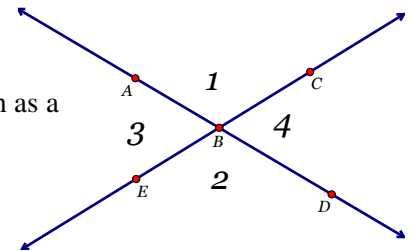


Statement	Reason

2. Prove the *Vertical Angle theorem* (You cannot use the vertical angle theorem as a reason.)

Given: $\angle 1$ and $\angle 2$ are vertical angles

Prove: $\angle 1 \cong \angle 2$



Statement	Reason
1. $\angle 1$ and $\angle 2$ are vertical angles	
2.	
3.	
4.	
5.	
4. $\therefore \angle 1 \cong \angle 2$	