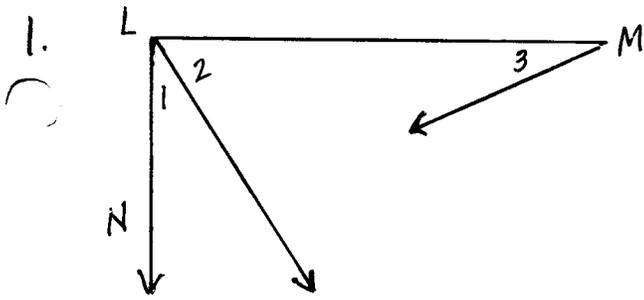


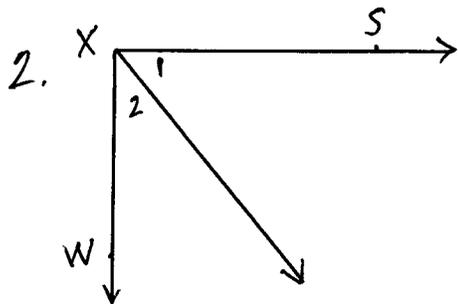
2-COLUMN PROOFS



Given $m\angle NLM = 90^\circ$
 $m\angle 1 = m\angle 3$

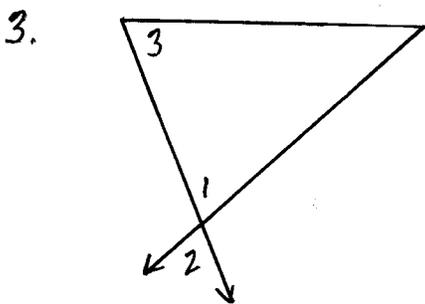
Prove $m\angle 3 + m\angle 2 = 90^\circ$

1. $m\angle 1 + m\angle 2 = m\angle NLM$	1.
2. $m\angle NLM = 90^\circ$	2.
3. $m\angle 1 + m\angle 2 = 90^\circ$	3.
4. $m\angle 1 = m\angle 3$	4.
5. $m\angle 3 + m\angle 2 = 90^\circ$	5.



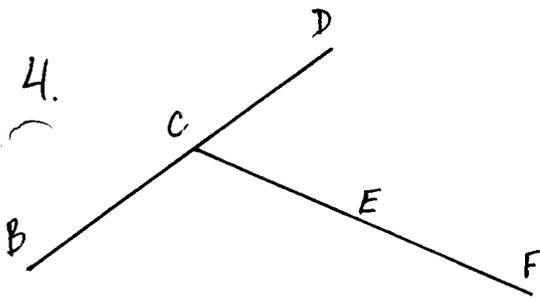
Given $\angle 1$ and $\angle 2$ are comps
Prove $\overline{SX} \perp \overline{WX}$

1. $\angle 1$ and $\angle 2$ are comps	1.
2. $m\angle 1 + m\angle 2 = 90^\circ$	2.
3. $m\angle 1 + m\angle 2 = m\angle WXS$	3.
4. $m\angle WXS = 90^\circ$	4.
5. $\angle WXS$ is a rt \angle	5.
6. $\overline{SX} \perp \overline{WX}$	6.



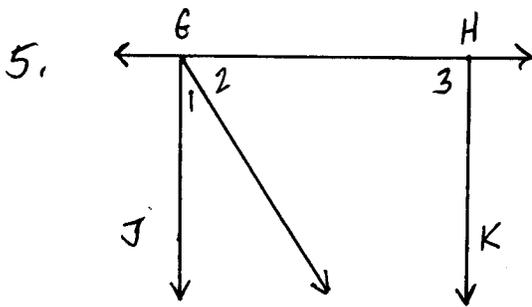
Given $m\angle 1 = m\angle 3$
Prove $m\angle 2 = m\angle 3$

1. $m\angle 1 = m\angle 2$	1.
2. $m\angle 1 = m\angle 3$	2.
3. $m\angle 2 = m\angle 3$	3.



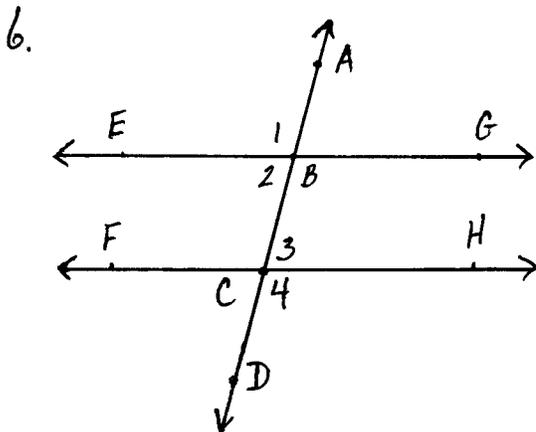
Given $DC = CE, CB = EF$
Prove $BD = CF$

- | | |
|-------------------------------------|----|
| 1. $DC = CE, CB = EF$ | 1. |
| 2. $DC + CB = CE + EF$ | 2. |
| 3. $DC + CB = BD$
$CE + EF = CF$ | 3. |
| 4. $BD = CF$ | 4. |



Given $m\angle JGH = 90^\circ$
 $m\angle 3 = 90^\circ$
Prove $m\angle 1 + m\angle 2 = m\angle 3$

- | | |
|--|----|
| 1. $m\angle 1 + m\angle 2 = m\angle JGH$ | 1. |
| 2. $m\angle JGH = 90^\circ$ | 2. |
| 3. $m\angle 1 + m\angle 2 = 90^\circ$ | 3. |
| 4. $m\angle 3 = 90^\circ$ | 4. |
| 5. $m\angle 1 + m\angle 2 = m\angle 3$ | 5. |



Given $\angle 2 \cong \angle 3$
Prove $\angle 1 \cong \angle 4$

- | | |
|---|----|
| 1. $m\angle 1 + m\angle 2 = 180^\circ$
$m\angle 3 + m\angle 4 = 180^\circ$ | 1. |
| 2. $\angle 1$ and $\angle 2$ are supps
$\angle 3$ and $\angle 4$ are supps | 2. |
| 3. $\angle 2 \cong \angle 3$ | 3. |
| 4. $\angle 1 \cong \angle 4$ | 4. |