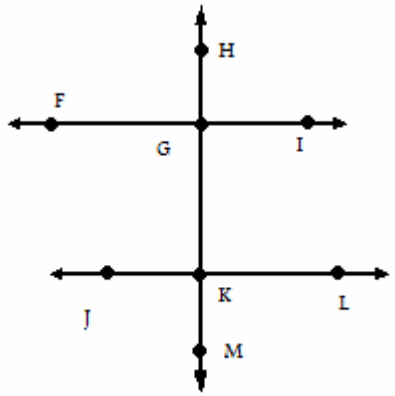
Name_____
Due Date_____
Block_____

Intro to Proofs #2.8

1.

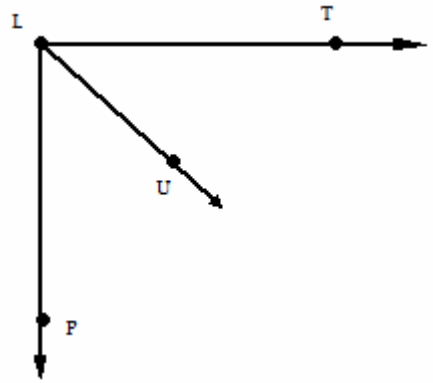


$Given: \overline{FI} \perp \overline{HM}$

$\measuredangle FGK \cong \measuredangle JKG$

$\text{Pr}ove: \overline{JL} \perp \overline{HM}$

2.

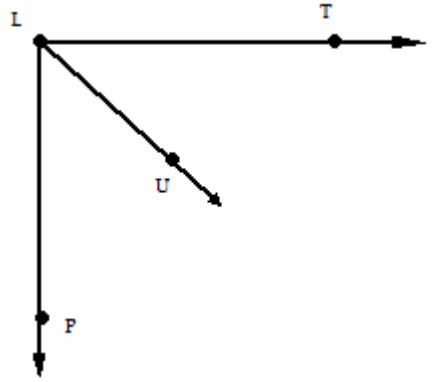


$Given: m\measuredangle PLT = 45°$

$\overrightarrow{LU}$ bisects $\measuredangle PLT$

$\text{Pr}ove: \overline{PL} \perp \overline{LT}$

3.

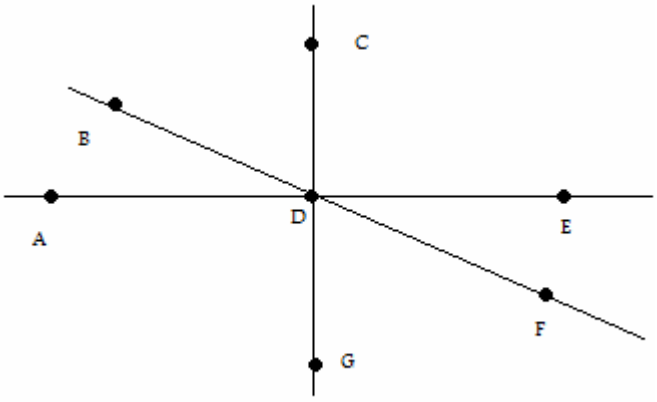


$Given: \overline{PL} \perp \overline{LT}$

$\overrightarrow{LU}$ bisects $\measuredangle PLT$

$\text{Pr}ove: m\measuredangle ULT = 45°$

4.



$Given: m\measuredangle ADB = 30°$

$m\measuredangle BDC = 60°$

$\text{Pr}ove: \measuredangle GDE$ is a right angle

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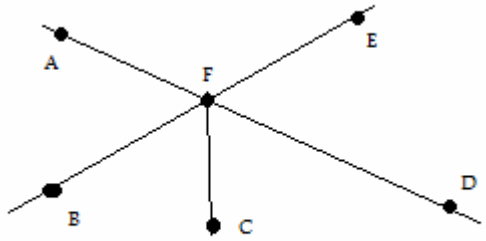
Intro to Proofs #2.8

5.

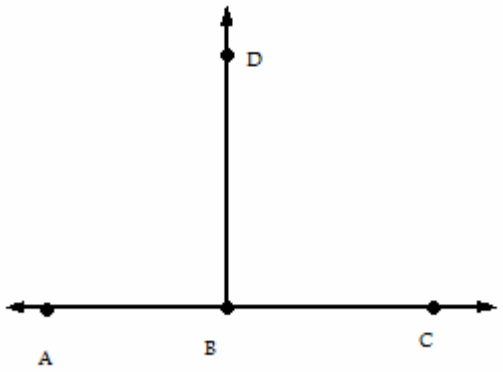


$Given: m\angle BFC = 40°$

$m\angle CFD = 30°$

$Prove: m\angle AFE = 70°$

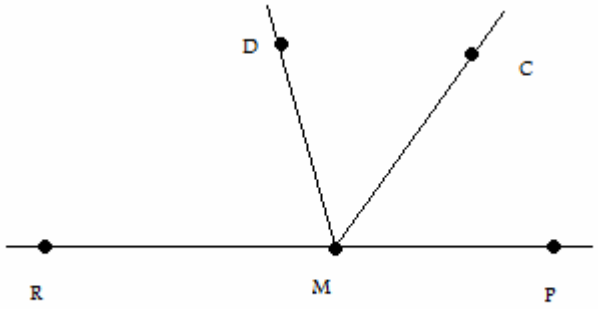
6.



$Given: m\angle ABD = 90°$

$Prove: \angle DBC$ is a right angle

7.

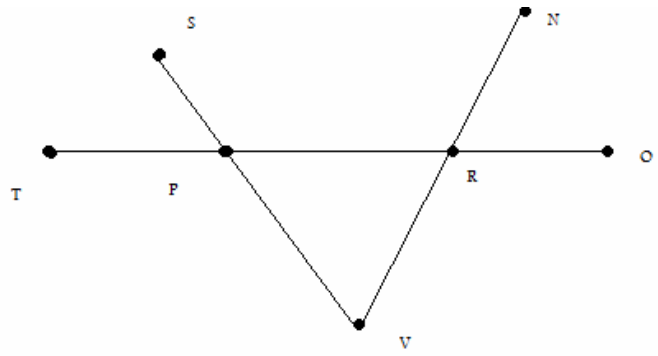


$Given: m\angle DMC = 50°$

$m\angle CMP = 60°$

$Prove: m\angle RMD = 70°$

8.



$Given: \overline{SV}$ bisects $\overline{TR}$

$\overline{NV}$ bisects $\overline{TO}$

$SP = NR$

$Prove: TP + SP = RO + NR$