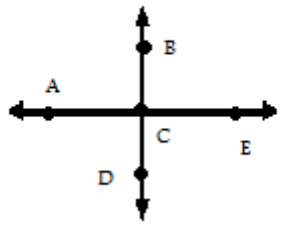
Name_____
Due Date_____
Block_____

Intro to Proofs Practice Test #2.2

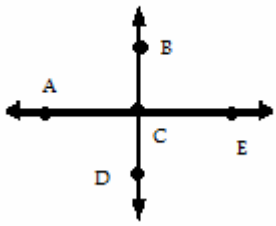
1. ☆



Given : $\overleftrightarrow{AE} \perp \overleftrightarrow{BD}$

Prove : $2 \cdot m\angle ACB = 2 \cdot m\angle ACD$

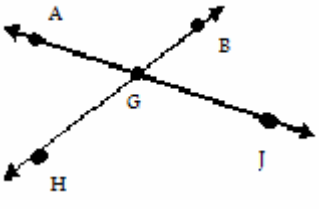
2. ☆☆



Given : $\overleftrightarrow{AE} \perp \overleftrightarrow{BD}$

Prove : $\overrightarrow{BD}$ bisects $\angle ACE$

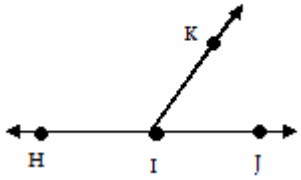
3. ☆☆



Given : $m\angle AGB = 30°$

Prove : $2 \cdot m\angle HGI = 60°$

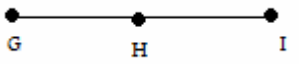
4. ☆☆



Given : $m\angle HIK = 140°$

Prove : $\dfrac{m\angle JIK}{2} = 20°$

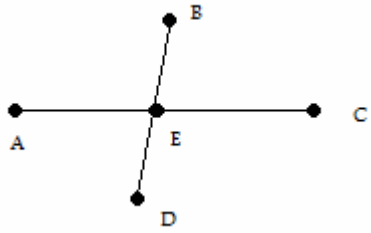
5. ☆☆



Given : H is the midpoint of $\overline{GI}$

Prove : $GH - HI = 0$

6. ☆



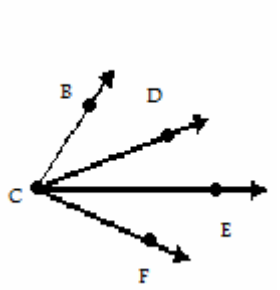
Given : $\overline{BD}$ bisects $\overline{AC}$

Prove : E is the midpoint of $\overline{AC}$

Name_____
Due Date_____
Block_____

Intro to Proofs Practice Test #2.2

7. ☆☆

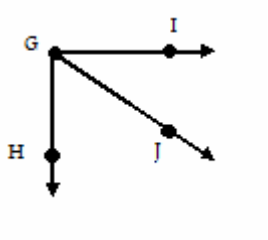


Given : $\overrightarrow{CD}$ bisects $\measuredangle$BCE

$\overrightarrow{CE}$ bisects $\measuredangle$DCE

Prove: $\measuredangle BCD \cong \measuredangle ECF$

8. ☆☆

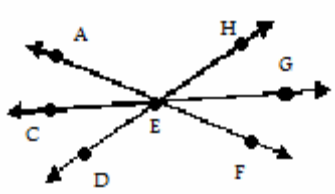


$\overrightarrow{GJ}$ bisects $\measuredangle$HGI

$m\measuredangle HGJ = 40°$

Pr *ove* : $m\measuredangle HGI = 80°$

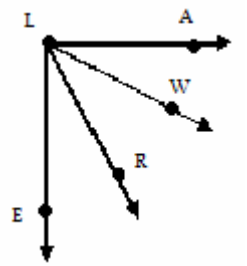
9. ☆☆☆



Given : $\overleftarrow{CG}$ bisects $\measuredangle$AED

Prove: $\overleftarrow{CG}$ bisects $\measuredangle HEF$

10. ☆☆☆



Given : $m\measuredangle LAW = 30°$

$\overrightarrow{LW}$ bisects $\measuredangle$ALR

$\overrightarrow{LR}$ bisects $\measuredangle$WLE

Prove: $\measuredangle$ALE is a right angle