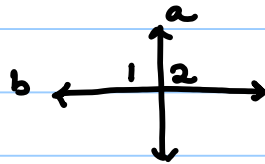


2.1: 2-14

2.2: 1-12

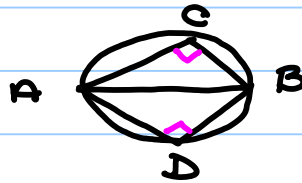
D: $\text{rt} \angle s \Rightarrow \perp$
 $\perp \Rightarrow \text{rt} \angle s$

6. G: $a \perp b$
 P: $\angle 1 \cong \angle 2$



Statements	Reasons
1. $a \perp b$	1. Given
2. $\angle 1$ & $\angle 2$ $\text{rt} \angle s$	2. $\perp \Rightarrow \text{rt} \angle s$
3. $\angle 1 \cong \angle 2$	3. $\text{rt} \angle s \Rightarrow \cong \angle s$

7. G: $\angle ACB = 90^\circ$ & $\overline{AD} \perp \overline{BD}$
 P: $\angle C \cong \angle D$

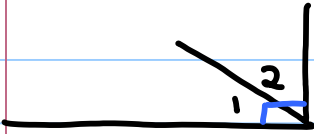


Statements	Reasons
1. $\angle ACB = 90^\circ$	1. Given
2. $\angle ACB$ $\text{rt} \angle$	2. $90^\circ \Rightarrow \text{rt} \angle$ (1)
3. $\overline{AD} \perp \overline{BD}$	3. Given
4. $\angle ADB$ $\text{rt} \angle$	4. $\perp \Rightarrow \text{rt} \angle$ (3)
5. $\angle C \cong \angle D$	5. $\text{rt} \angle s \Rightarrow \cong \angle s$ (2, 4)

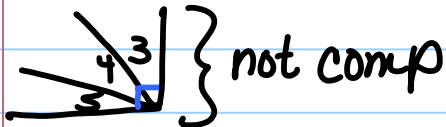
2 Ls sum $90^\circ \Rightarrow$ comp Ls

COMP Ls

90°



$\angle 1$ comp $\angle 2$



SUPP Ls

180°

2 Ls sum $180^\circ \Rightarrow$ sup Ls

2. Find supp of 70° .

$\rightarrow 180 - 70 = 110^\circ$

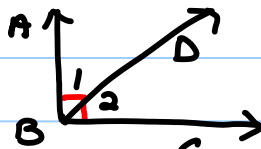
3. $\angle 1$ comp $\angle 3$

$\angle 3 = y^\circ$

$\therefore \angle 1 = (90 - y)^\circ$

6. G: $\angle 1$ comp $\angle 2$

P: $\overleftrightarrow{AB} \perp \overleftrightarrow{BC}$



Statements

Reasons

1. $\angle 1$ comp $\angle 2$

1. Given

2. $\angle ABC$ rt \angle

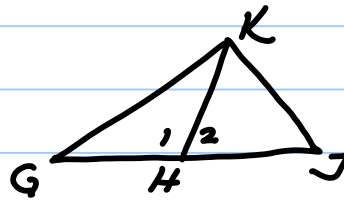
2. comp \Rightarrow rt \angle

3. $\overleftrightarrow{AB} \perp \overleftrightarrow{BC}$

3. rt $\angle \Rightarrow \perp$

8. Given: Diag

Prove: $\angle G H K$ supp $\angle K H J$



Statements

Reasons

1. Diag.

1. Given

2. $\angle G H J$ st \angle

2. Diag \Rightarrow st \angle

3. $\angle 1$ supp $\angle 2$

3. st $\angle \Rightarrow$ supp \angle s

a
a \rightarrow b
b \rightarrow c

