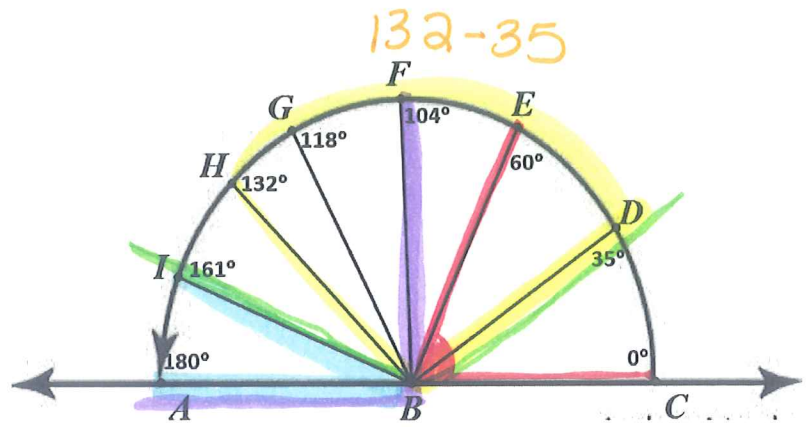


Focus Review: Angle Addition



Find the measure of the following angles.

1. $m\angle CBE = 60^\circ$

2. $m\angle HBD = 132 - 35 = 97^\circ$

3. $m\angle ABI = 180 - 161 = 19^\circ$

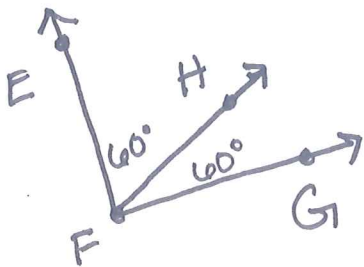
4. $m\angle ABC = 180^\circ$

5. $m\angle FAB = 180 - 104 = 76^\circ$
 $\angle FBA$

6. $m\angle DBI = 161 - 35 = 126^\circ$

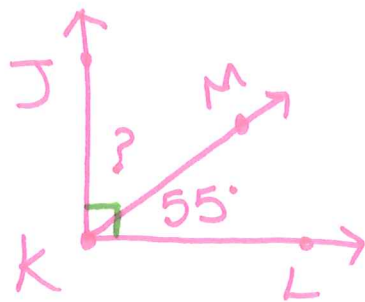
Angle Addition Examples: Blue Book

A) $\angle EFH$ is adjacent to $\angle HFG$. $\angle EFH = 60^\circ$ and $\angle HFG = 60^\circ$. Find $m\angle EFG$. Draw the figure 1st.



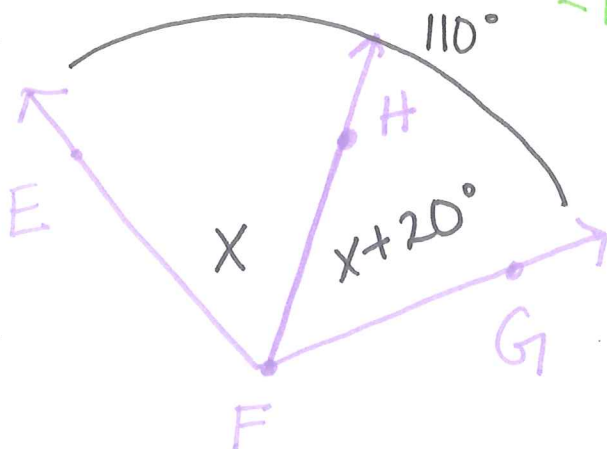
$\angle EFG = \angle EFH + \angle HFG$ angle addition
 $\angle EFG = 60^\circ + 60^\circ$
 $\angle EFG = 120^\circ$

B) $\angle JKM$ is adjacent to $\angle MLK$. $\angle JKL = 90^\circ$ and $\angle MKL = 55^\circ$. Find $m\angle JKM$. Draw the figure 1st.



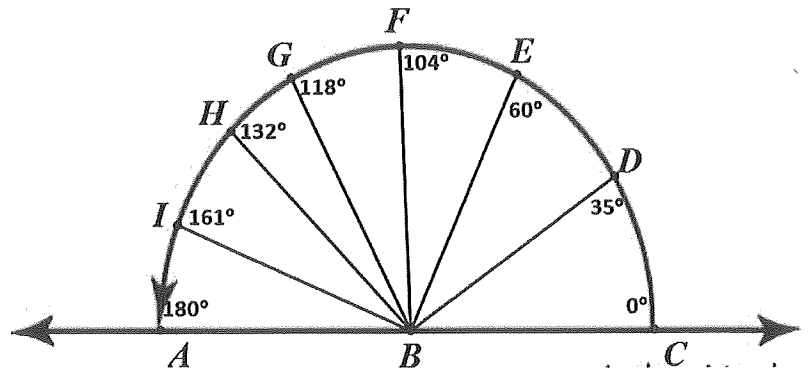
$\angle JKL = \angle JKM + \angle MKL$ angle addition
 $90 = x + 55$
 $-55 \quad -55$
 $35^\circ = \angle JKM$

C) $\angle EFH$ is adjacent to $\angle HFG$. $\angle EFH = x^\circ$, $\angle HFG = x + 20$ and $\angle EFG = 110^\circ$. Find x , $m\angle EFH$ and $m\angle HFG$. Draw the figure 1st.



$\angle EFH + \angle HFG = \angle EFG$ angle addition
 $x + x + 20 = 110$
 $2x + 20 = 110$
 $-20 \quad -20$
 $2x = 90$
 $x = 45$
 $\angle EFG = 45^\circ$
 $\angle HFG = 45 + 20$
 $\angle HFG = 65^\circ$

Focus Review: Angle Addition



Find the measure of the following angles.

1. $m\angle CBE =$ _____

2. $m\angle HBD =$ _____

3. $m\angle ABI =$ _____

4. $m\angle ABC =$ _____

5. $m\angle FBA =$ _____

6. $m\angle DBI =$ _____

Angle Addition Examples: Blue Book

A) $\angle EFH$ is adjacent to $\angle HFG$. $\angle EFH = 60^\circ$ and $\angle HFG = 60^\circ$. Find $m\angle EFG$. Draw the figure 1st.

B) $\angle JKM$ is adjacent to $\angle MLK$. $\angle JKL = 90^\circ$ and $\angle MKL = 55^\circ$. Find $m\angle JKM$. Draw the figure 1st.

C) $\angle EFH$ is adjacent to $\angle HFG$. $\angle EFH = x^\circ$, $\angle HFG = x + 20$ and $\angle EFG = 110^\circ$. Find x , $m\angle EFH$ and $m\angle HFG$. Draw the figure 1st.