Activity 2 - Applying Notes practice

1. A is between B and C. Segment $\overline{BA} = 4x + 5$, $\overline{AC} = x$, and $\overline{BC} = 6x - 20$. Find length of $\overline{BC}$.

2. G is the midpoint of $\overline{FR}$. $\overline{FG} = 5x - 1$ and $\overline{FR} = 14x - 22$. Find $x$.

3. C is in the interior of $\angle ADB$. If $\angle ADC = 22$, $\angle CDB = 4x - 4$, and $\angle ADB = 8x$. Find $x$.

4. FG bisects $\angle AFB$. If $\angle AFG = 3x + 6$ and $\angle AFB = 8x - 4$, find $m\angle AFB$. 