## Assignment \#10

Angle Addition Postulate
Name: $\qquad$ Date: $\qquad$ Period: $\qquad$

1. $D$ is interior to $<A B C . m<A B C=7 x-2, m<A B D=x+22, m<D B C=3 x$. Solve for $x$.
2. $H$ is interior to $<E F G . m<E F H=52, m<H F G=5 x-2, m<E F G=20 x+5$ Solve for $x$.
3. $M$ is interior to $<J K L . m<J K L=12 x+17, m<J K M=7 x-2, m<M K L=7 x+3$ Solve for $x$.
4. $Q$ is interior to $<N O P . m<N O Q=4 x-5, m<Q O P=2 x+8, m<N O P=5 x+13$ Solve for $x$.
5. ST bisects $<R S U . m<R S U=14 x+4, m<R S T=6 x+3$
