General Relativity HW3 Problems

1. Three events $A, B, C$ are seen by an observer $O$ to occur in the order $ABC$. Another Observer $O'$ sees the same three events occur in the order $CBA$. Is it possible that a third observer $O''$ could see the events in the order $ACB$? Support your conclusions by drawing a spacetime diagram.

2. On a $ct$-$x$ spacetime diagram, draw four events $A, B, C$ and $D$ such that $A$ can cause $B$ and $C$, $B$ can cause $D$ but not $C$, and $C$ cannot cause $D$. Is such a situation possible in Galilean Relativity?
To be continued....