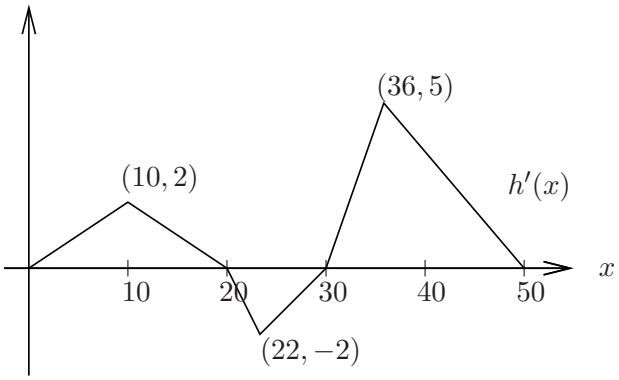
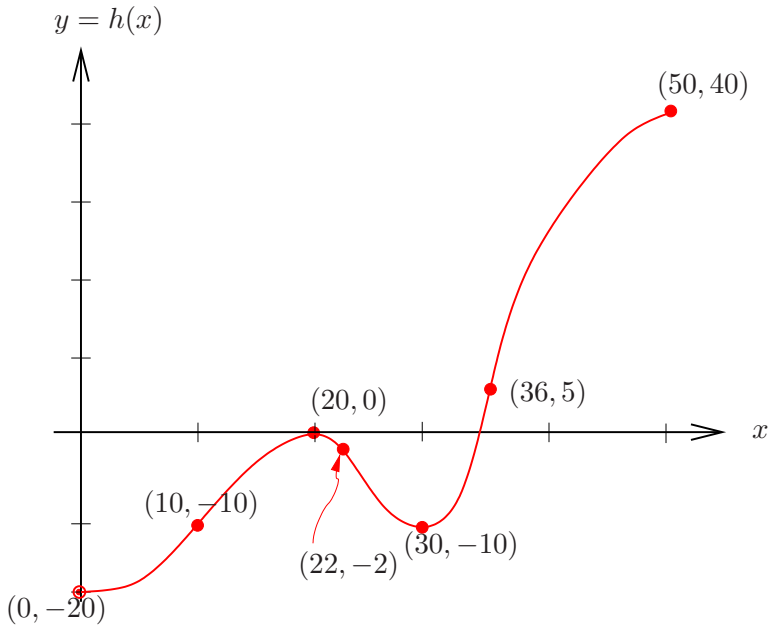
5 . (12 points) Using the graph of h' in the figure below and the fact that $h(0) = -20$, sketch the graph of $h(x)$. Give the coordinates of all critical points, inflection points, and end points of h. Pay attention to the concavity of the graph.





The points $(10, -10), (22, -2)$ and $(36, 5)$ are inflection points. The graph of $h(x)$ has a local and global min at $(0, -20)$, a local min at $(30, -10)$, a local max at $(20, 0)$, and a local and global max at $(50, 40)$.