9. (8 points) The graph of $y = g(x)$ is given by the figure below.

The graphs of the following functions include the graphs of $g'$ and $g''$ and two additional graphs. On the lines beneath the appropriate graphs, clearly identify the graphs of $g'$ and $g''$. (No explanation necessary.) For each of the other graphs, give any feature of the graph (e.g., its behavior on an interval or at a point) which disqualifies that graph as a candidate for the derivative of $g$. (No need to list all reasons!)

This is $g''$

Not $g'$—On $(-0.85,0)$ $g$ is decreasing, so $g'$ must be negative. This graph is positive on $(-0.85,0)$.

Not $g'$—On $(-1,-0.85) g$ is increasing, so $g'$ must be positive. This graph is negative on $(-1,-0.85)$.

This is $g'$