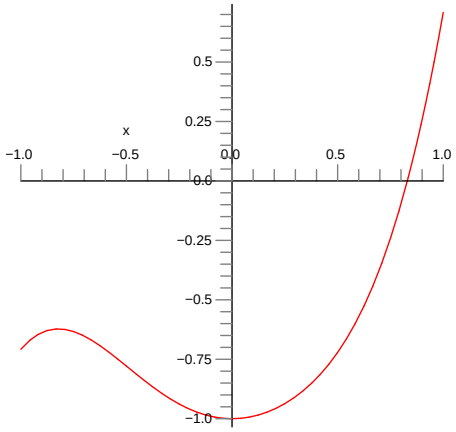
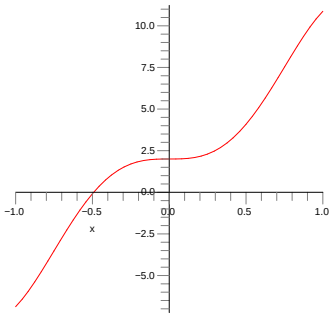
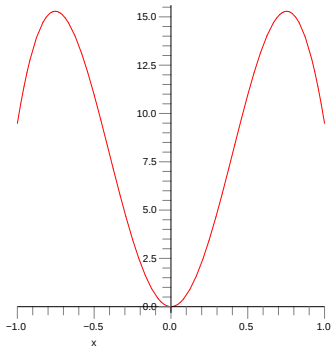
9. (8 points) The graph of $y = g(x)$ is given by the figure below.



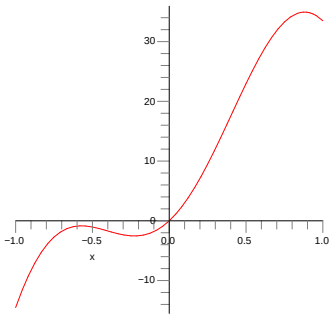
The graphs of the following functions include the graphs of g' and g'' and two additional graphs. On the lines beneath the appropriate graphs, **clearly** identify the graphs of g' and g''. (No explanation necessary.) For each of the other graphs, give *any* feature of the graph (*e.g.*, its behavior 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!)



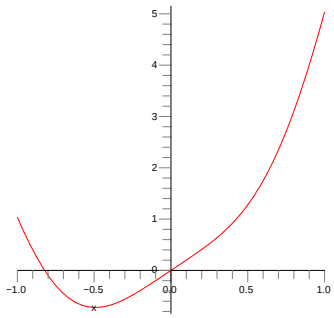
This is g''



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'