Name: $\qquad$ Quiz Score:

1. (7pts) The graph below is the graph of the DERIVATIVE $f^{\prime}(x)$ of a function $y=f(x)$

[NOTE: The graph above is of the derivative $f^{\prime}$ of $f$. The questions below refer to $f$, not to $f^{\prime}$.]
a) Determine the intervals where $f$ is increasing and where $f$ is decreasing.
b) Determine the intervals where $f$ is concave up and where $f$ is concave down.
c) Find the $x$ values of all local maxima and minima of $f$ (State whether each is a local maximum or local minimum.).
d) Find the $x$ values of all inflection points of $f$.
2. (3pts) List all the asymptotes of $f(x)=\frac{2 x(x+1)}{5(x-1)(x+2)}$
