DATE: $\qquad$
Sketch a graph of the function with the following information:

$$
\begin{aligned}
& f(4)=0 \\
& f^{\prime}(x)>0, x>2 \\
& f^{\prime}(x)>0, x<2 \\
& f^{\prime \prime}(x)>0, x<-1 \\
& f^{\prime \prime}(x)<0, x>-1 \\
& \lim _{x \rightarrow \infty} f(x)=3 \\
& \lim _{x \rightarrow-\infty} f(x)=\infty
\end{aligned}
$$

