Consider the function $f(x)=\frac{1}{5} x^{5}-2 x^{4}+5 x^{3}+75$

$$
\begin{gathered}
f^{\prime}(x)=x^{4}-8 x^{3}+15 x^{2} \\
x^{2}\left(x^{2}-8 x+15\right)=x^{2}(x-3)(x-5) \Rightarrow
\end{gathered}
$$

curt ts are $x=0,3,5$

$f_{f}$ deed on (3.5)
rel max at $x=3 \quad(y=96.6)$
vel min at $x=5 \quad(y=75)$

