pdf-Test # 2

Name :_____
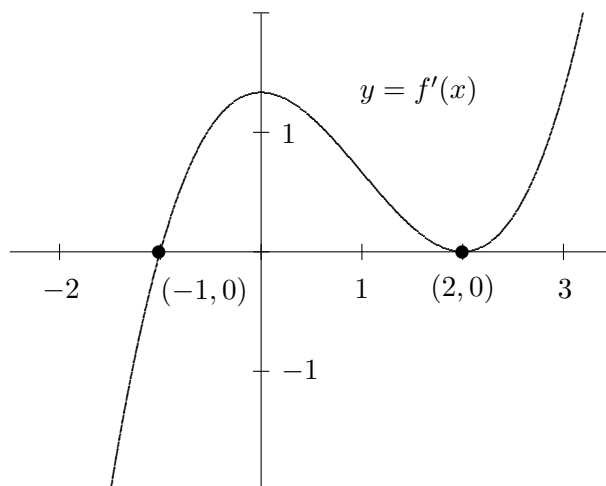
When using LATEX , you can drop a tex file into a problem by invoking the pictex and graphic package. The code in the preamble is:

\usepackage{pictex}

\usepackage[pdftex]{graphicx}

1. Consider the graph of $y = f'(x)$

State all the intervals where $f(x)$, the original function, is increasing.

State all the intervals where $f(x)$ is decreasing.

Draw an approximate graph of $y = f''(x)$. Indicate your scales.

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State all the intervals where $f(x)$ is concave up.

The above graph was included in the file with the following code:

\centerline{ \input testpict1.tex }

To drop a jpeg into a TEX document you should use the following code:

\centerline{
\includegraphics[scale=.5]{petemarsh.jpg}
} % end center

But the formatting of a jpeg is difficult. See the following.

"A find in 1984 in Lindow Moss, Cheshire, adds a new dimension to the picture of interest in new places. Workmen watching a peat cutting machine found parts of a human body preserved in the water logged peat about 0.7 metres ($2\frac{1}{4}$ feet) below the present surface. Excavations...revealed that the body, which was that of a man, had been garroted and then dumped on the surface of the bog in a shallow pool. Details of the stratigraphy in which the body was found, and preliminary radiocarbon dates, suggest that Lindow Man, or *Pete Marsh* as he is affectionately known to those who found him, was executed some time towards the end of the first millennium BC or early first millenium AD."

Done in LaTeX.