

Dec 13-8:10 AM

Gaphs of derivatives
$f(x)=x^{3}-x$
a) find $f^{\prime}(x)$ and sketch a graph of both $f(x)$
and $f^{\prime}(x)$ on the same set of axes.
b) find $\mathrm{f}^{\prime}$ ' $(x)$ and sketch a graph of
both $f(x)$ and $f^{\prime \prime}(x)$ on the same set of
axes.

relative max: highest point in relation to surrounding points relative min: lowest point in relation to surrounding points Concavity: curvature of the graph. Concave up: curved up (holds liquid), concave down: curved down (liquid would spill).
Point of inflection: point where concavity changes.


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