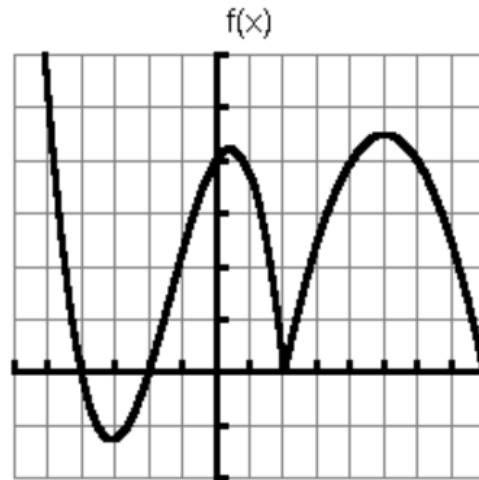


Keeper 5.6 Virtual Problems

Examples:

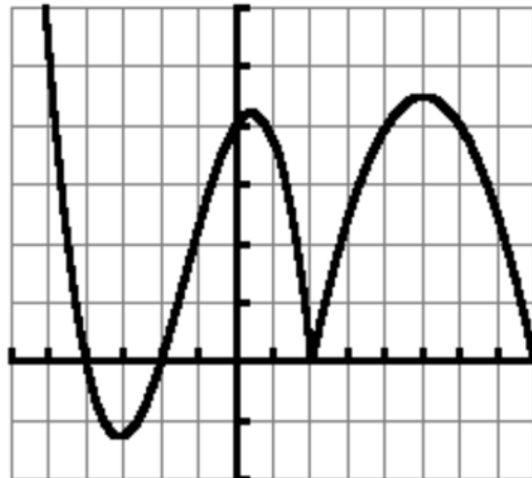
1. Given the graph of $f(x)$ find:

- Critical Numbers
- Intervals of Increase/Decrease
- Local Extrema
- Concavity
- Points of Inflection



2. Given the graph of $f'(x)$ find:

- Critical Numbers
- Intervals of Increase/Decrease
- Local Extrema
- Concavity
- Points of Inflection



3. Given $f(x) = x^3 + 3x^2 - 24x + 3$ on $[-8,4]$ find:

a. Critical Numbers

b. Intervals of Increase/Decrease

c. Local Extrema

d. Absolute Extrema

e. Concavity

f. Points of Inflection

g. Graph the functions