Name:

Date: _____

Learning Goal 4.1

Using derivative tests for curve sketching.

More Questions

1. Find all critical numbers, the interval which f is increasing or decreasing, and locate any local max or min for.

a.
$$f(x) = 2x^3 - 3x^2 - 12x$$

b.
$$f(x) = x^4 - 8x^3 + 18x^2$$

c.
$$f(x) = x^4 - 8x^2$$

c.
$$f(x) = x^4 - 8x^2$$

d. $f(x) = \frac{2x}{x^2 + 9}$

e.
$$f(x) = x^3 + 3x^2 + 1$$