Math 241: HW 1

Due on Thursday, June 6

Summer '13

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Problem 1

For each function, $f(x)$, find the derivative, $f'(x)$, via the limit definition.

$$f(x) = x^3$$
$$f(x) = 10x^2$$
$$f(x) = x^2 + x$$
$$f(x) = \sqrt{x}$$
$$f(x) = \frac{1}{x}$$