

Quiz 5

Nov. 7, 2007

1. (10 pts) Find the derivative of

$$f(x) = \frac{x^5 + 2x^3 + 4x + 1}{x^2}$$

2. (5 pts) Find the derivative of

$$f(x) = \sqrt{x^2 + x}$$

3. (5 pts) Find the derivative of

$$f(x) = x^2 \sqrt{x^2 + x}$$