

Math 231 Worksheet 3

Find the derivative of the function.

1. $f(x) = 1 - 2x + 4x^3 - 6x^5$

2. $g(x) = (x + 2)^3$

3. $h(x) = \frac{x^2 + 2x + 3}{x^2}$

4. $y = \sqrt[3]{x} + \frac{1}{\sqrt[3]{x^2}}$

5. $y = \sqrt{x}\left(x + \frac{1}{x^2}\right)$