

MCS21 Homework 12

1. Find the slope of $f(x) = 3x^2 + x - 2$ at $x = 0$.
2. Find the slope of $f(x) = x^4$ at $x = 1$.
3. Find the slope of $f(x) = \sqrt{2x}$ at $x = 4$.
4. Find the slope of $f(x) = \frac{1}{x-3}$ at $x = 5$.
5. Find the slope of $f(x) = \frac{1}{\sqrt{x+2}}$ at $x = 0$.