

MCS21 Homework 15

1. Find $f'(4)$ if $f(x) = \frac{2}{\sqrt{x}}$ using
 - a) the difference quotient
 - b) the alternate definition of the derivative
 - c) the symmetric derivative

2. Find $g'(0)$ if $g(x) = x^3 - 6x + 5$ using
 - a) the difference quotient
 - b) the alternate definition of the derivative
 - c) the symmetric derivative