Lecture Six Practice

Practice problems for Lecture Six

Abstract. *Practice problems for Lecture Six Content*

Problem. 1 : Find each interval over which $f(x) = \frac{10}{(x+8)^2}$ is differentiable.

(? , ?) ∪ (? , ?)

Problem. 2 : Find each interval over which $f(x) = \frac{1}{(x+4)(x+3)}$ is differentiable.

(? , ?) ∪ (? , ?) ∪ (? , ?)

Problem. 3 : Find the derivative of the function using the definition of the derivative.

$$f(x) = 2x - 2$$

$$f'(x) = \ ?$$

Problem. 4 : Find the derivative of the function using the definition of the derivative.

$$f(x) = \frac{3}{\sqrt{x}}$$

$f'(x) =$?