MATHS 101 Worksheet

University of Bahrain Department of Mathematics MATHS101: Calculus I Dr. Abdulla Eid



Worksheet: Critical Numbers

Students' Name:	
1. What is the definition of	a decreasing function? Write both geometric and algebraic one.
	or. Abdulla Eild
	balling

2. What is the definition of a *global minimum*?

3. What is the definition of a *local minimum*?

4. Find the critical numbers of the following function

1.
$$f(x) = 3x^4 - 4x^3 - 12x^2 + 5$$

$$2. \ f(x) = \frac{x}{2} - \sin x$$

3.
$$f(x) = \sqrt[3]{4 - x^2}$$

4.
$$f(x) = \frac{x-1}{x^2-4}$$

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