King Fahd University of Petroleum and Minerals

Math 101 **Quiz # 1(a)** **Time: 20 minutes** **Date:16-09-2014**

Name	ID #	Sr #	Sec#	Marks: /8

Q1. Find the average rate of change of the function $F(x) = \frac{x+2}{x-2}$ over the intervals [1, x] for x=1.2, 11/10.

Q 2. Evaluate $\lim_{x\to -3} \frac{2-\sqrt{x^2-5}}{x+3}$

Q 3. Prove the limit statement by definition: $\lim_{x\to 4}(9-x) = 5$

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Math 101 **Quiz # 1(b)** **Time: 20 minutes** **Date:16-09-2014**

Name	ID #	Sr #	Sec#	Marks: /8

Q1. Find the average rate of change of the function $F(x) = \frac{x+2}{x-2}$ over the intervals [1, x] for x= 11/10, 101/100.

Q 2. Evaluate $\lim_{x\to -3} \frac{x+3}{x^2+4x+3}$

Q 3. Prove the limit statement by definition: $\lim_{x\to 3} (3x - 7) = 2$

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Math 101 **Quiz # 1(c)** **Time: 20 minutes** **Date:16-09-2014**

Name	ID #	Sr #	Sec#	Marks: /8

Q1. Find the average rate of change of the function $F(x) = \frac{x+2}{x-2}$ over the intervals [1, x] for x= 101/100, 1001/1000.

Q 2. Evaluate $\lim_{x\to -3} \frac{x+3}{x^2+4x+3}$

Q 3. Prove the limit statement by definition: $\lim_{x\to 3} (3x - 7) = 2$