King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
Math101/Calculus I
Quiz 1
Two Problems [1]

Problem 1 **(**10 **points)**

Find the following limits.

(1) $\lim\limits_{x\to 1} \dfrac{3-\sqrt{4x+5}}{1-x} =$

(2) $\lim\limits_{x\to 1} \dfrac{2x^2-3x+1}{x^2+x-2} =$

Problem 2 **(**5 **points)**

Use the Squeeze Theorem to find $\lim\limits_{x\to 0} x^2 sin(\dfrac{1}{x})$.

[1] The quiz lasts 15 minutes.