

**Quiz 1 (08-02-2018)**  
PREPARED BY DR. KAREEM ELGINDY

MATH-101, CALCULUS I

Student Name: ..... Student ID: .....

Question 1. [4 marks] Find  $\lim_{x \rightarrow 4} \frac{2\sqrt{x} - x}{4 - 2\sqrt{x}}$ .

**Question 2.** [4 marks] Find the vertical asymptotes of  $\frac{\tan x}{2x^2 - 5x + 3}$ .