KFUPM	Term 161	Date: 14/12/2016
Mathematics & Statistics	MATH 101	Duration: 20 minutes
	Quiz# 5	
Name:	ID #:	Section: 4 Serial #:

1. Find the value(s) that satisfy the conclusion of the Mean Value Theorem for $f(x) = \frac{x}{x+2}$ on [1, 4].

2. Find all the inflection points of $(x) = 2 \cos x + \sin^2 x$.

3. Evaluate
$$\lim_{x\to 0} \left(\frac{1}{x} - \frac{1}{e^{x} - 1}\right)$$
.