

Last Name: \_\_\_\_\_

First Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

## Quiz 3 (A)

**Question 1.** Evaluate the following:

(a) (1 mark)  $\cos\left(-\frac{3}{2}\pi\right)$

(b) (1 mark)  $\sin\left(-\frac{4}{3}\pi\right)$

(c) (1 mark)  $\sec\left(-\frac{\pi}{6}\right)$

(d) (1 mark)  $\arcsin\left(\frac{-1}{\sqrt{2}}\right)$

(e) (2 marks)  $\arctan\left(\tan\left(\frac{4\pi}{3}\right)\right)$

**Question 2.** (4 marks) Set up a table of values (with at least 6 values) to estimate the following limit if it exists:

$$\lim_{x \rightarrow 1} (2x^2 - 1)$$