

Quiz 2 (01-03-2018)
PREPARED BY DR. KAREEM ELGINDY

MATH-101, CALCULUS I

Student Name: Student ID:

Question 1. [4 marks] Evaluate $\lim_{x \rightarrow 0} \left(\frac{\pi}{2} - \cos^{-1} \left(\frac{\cos x - 1}{x} \right) \right)$.

Question 2. [4 marks] Show a rough sketch of the graph of $y = (x + 1)^4 x^3 (x - 1)^2$.