

King Fahd University of Petroleum and Minerals
College of Sciences Math Prep-Year Program
Math 001-Term 062 – Quiz

Name _____ ID# _____ Sec# _____ SR# _____

QUESTION 1 . If $f(x) = [x]$ is the greatest integer function. Find the value of $\frac{f(x-a) + f(a-x)}{f\left(\frac{x}{a}\right)}$ when

$$x = 1.5 \text{ and } a = 0.6$$

QUESTION 2 If the point $\left(\frac{-1}{4}, t\right)$ is the vertex of the parabola $y = 2x^2 + mx + 2$ for some real number m , then the value of t is equal to: