

King Fahd University of Petroleum and Minerals
College of Sciences Math Prep-Year Program
Math 001-Term 061
Quiz 4

Sharqawi

Q1. If the slope of the line passing through the point $(2, -1)$ and the vertex of $y = -2(x + 2k)^2 - 5$

Is $\frac{1}{k}$. Find the value of k

Q2. Draw the graph of the following function $f(x) = \begin{cases} \left\lfloor \frac{1}{3}x \right\rfloor & ; -6 \leq x \leq 0 \\ 3 & ; x > 2 \end{cases}$

Find:

i) Domain: =

ii) Range: =

