King **F**ahd **U**niversity for **P**etroleum and **M**inerals
Department of Mathematics & Statistics
Term 132 Math 101 (08) Quiz#1 (2.1, 2.2, & 2.3)
Family Name: S.r#

Q1. Find the average rate of change of $f = \cos(x)$ over $[\pi, \frac{3\pi}{2}]$

Q2. Evaluate $\lim_{x \to 1} \frac{1-x^2}{x^3-1}$

Q3. For $\lim_{x \to -6} \sqrt{3-x} = 3$, find $\delta > 0$ that works for $\varepsilon = 1$.

King **F**ahd **U**niversity for **P**etroleum and **M**inerals
Department of Mathematics & Statistics
Term 132 Math 101 (14) Quiz#1 (2.1, 2.2, & 2.3)
Family Name: S.r#

Q1. Find the average rate of change of $f = \sin(x)$ over $[\frac{\pi}{6}, \frac{\pi}{3}]$

Q2. Evaluate $\lim_{h \to 0} \frac{(2+h)-(2+h)^2+2}{h}$

Q3. Show that $\lim_{x \to -2} (3x - 1) = -7$