KFUPM MATH101 Quiz#2 Sec.27

Name Sr.#

1) Given that $\lim_{x\to -2} -x^2 = -4$, and using ϵ, δ definition. The largest possible value of δ that correspond to $\epsilon = 1$ is

2) Find the interval which f is continuous

$$f(x) = \frac{\sin^{-1}(x-1)}{x^2-1}$$