King **F**ahd **U**niversity for **P**etroleum and **M**inerals
Department of Mathematics & Statistics
Term 171 Math 101 (47) Quiz#3 (3.1, 3.2 and 3.3)
Family Name: S.r#

Q1. Find the equation of the tangent line(s) to $f = \sqrt{x}$ that passes through $(-8, 0)$.

Q2. Find $\dfrac{d^2}{dt^2}\left(\dfrac{\sin t}{t}\right)\Big|_{t=\pi/4}$

King **F**ahd **U**niversity for **P**etroleum and **M**inerals
Department of Mathematics & Statistics
Term 171 Math 101 (25) Quiz#3 (3.1, 3.2 and 3.3)
Family Name: S.r#

Q1. Find the equation of the normal line(s) to $f = \sqrt{x}$ that passes through $(12, 0)$.

Q2. Find $\left.\frac{d^2}{dt^2}\left(\frac{e^t}{t}\right)\right|_{t=\ln 2}$