King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
(Semester 142) Math 101-10 Quiz # 2

Name: _____ I.D. # _____ Sr. # ____

Given $f(x) = \sqrt{1-2x}$,

1. Using the definition of the derivative, find $f'(-4)$.
2. Find the equation of the tangent line to the graph at $x = -4$.

King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
(Semester 142) Math 101-28 Quiz # 2

Name: _____ I.D. # _____ Sr. # ____

Given $f(x) = \dfrac{4}{\sqrt{1-x}}$,

3. Using the definition of the derivative, find $f'(-3)$.
4. Find the equation of the tangent line to the graph at $x = -3$.