## King Fahd University for Petroleum and Minerals Department of Mathematics & Statistics

Term 142

Math 102 (24)

Quiz#1 (5.3, 5.4, 5.5, & 5.6)

Family Name:

S.r#

Q1. Find 
$$f(x)$$
, if  $\int_{x}^{1} f(t) dt = x^2 - 2x + 1$ 

O2.	$\frac{1}{dx}$
Q2. J	$\sqrt{x}\left(1+\sqrt{x}\right)^2 dx$

## King Fahd University for Petroleum and Minerals Department of Mathematics & Statistics

Term 142 Math 102 (7) Quiz#1 (5.3, 5.4, 5.5, & 5.6) Family Name: S.r#

Q1. Find the **total area** between  $f(x) = x^2 - 1$ , and the *x-axis* over [-2,1]

 $Q2. \int \frac{dx}{(\tan^{-1} x)(1+x^2)}$ 

## King Fahd University for Petroleum and Minerals Department of Mathematics & Statistics

Department of Mathematics & Sta Math 102 (28) Quiz#1 (28)

Term 142 Math

Quiz#1 (5.3, 5.4, 5.5, & 5.6)

Family Name:

S.r#

Find $f(0)$ , if $\int_{1}^{x} f(t) dt = x \cos x$		

