

King Fahd University of Petroleum & Minerals  
Department of Mathematics and Statistics  
(Semester 142) Math 102.12 Quiz # 4

Name: \_\_\_\_\_ I.D. # \_\_\_\_\_ Sr. # \_\_\_\_\_

1. Evaluate  $\int \cos x \cos 7x dx$ .

2. Evaluate  $\int \frac{8}{(1+4x^2)^2} dx$ .

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Name: \_\_\_\_\_ I.D. # \_\_\_\_\_ Sr. # \_\_\_\_\_

1. Evaluate  $\int \sin 2x \cos 3x dx$ .

2. Evaluate  $\int \frac{(1-x^2)^{1/2}}{x^4} dx$ .