

King Fahd University of Petroleum and Minerals  
Math. & Stat. Department  
161-Math 101 Quiz (6)

Name	ID	SEC 01
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Q1) Evaluate  $\lim_{x \rightarrow 0} \frac{\sin^{-1}(2x)}{x}$ .

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Q2) A store can sell 80 bicycles a month at a price of \$100 each. For each \$10 increase in the price 5 fewer bicycles will be sold each month. Find the maximum monthly revenue.