

King Fahd University of Petroleum and Minerals  
Math. & Stat. Department  
163-Math 101 Quiz (4)

Name	ID	SEC 12
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Q1) If  $f(x) = (x + 2\cos x)^{x+1}$  find  $f'(0)$ .

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Q2) Each side of a square is increasing at a rate of  $8\text{cm}/\text{s}$ . At what rate is the area of the square increasing when the area of the square is  $16\text{cm}^2$ ?