

King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
(Semester 132) Math 131 Quiz # 1

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

1. A corporation owns an office complex consisting of 50 units. At SR400 per month, every unit can be rented. However, for each SR20 per month increase, there will be 2 vacancies with no possibility of filling them. The corporation wants to receive a total of SR20,240 per month from rents in the complex. Determine the rent that should be charged for each unit.
2. A company manufactures a product that has a unit selling price of SR20 and a unit cost of SR15. If fixed costs are SR600,000, determine the least number of units that must be sold for the company to have a profit.