# QUIZ NUMBER 9 FOR MTH 101 

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Name, Id. Num. - , Score $\overline{15}$
QUESTION 1. a)An AUS-student Club is organizing a trip for exactly 130 students. Exactly 8 buses will be used for this trip. Three types of buses are available: 10-passenger bus, 20 passenger bus, and 30 passenger bus. How many buses needed from each type in order to transport the 130 students? Find all solutions.
b) If the 10-passenger cost 600Dhs to rent, the 20-passenger bus cost 1100 Dhs to rent, and the 30-passenger bus cost 1700 Dhs to rent, which of the solution in part (a) will minimize the cost?

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