

QUIZ NUMBER ONE FOR MTH 213

AYMAN BADAWI

Name _____, Id. Num. _____, Score $\frac{\quad}{10}$

QUESTION 1. (write down T or F) 1) If I can travel faster than the light, then I can attend the wedding of my parents and come back.

2) I know the material of MTH213 better than Ayman Badawi whenever $1 + 1 = 30010$.

3) It is definitely snowing now in sharjah or I am now taking an MTH 213 quiz.

4) Ayman Badawi has an ego-problem and he is not a friendly person.

5) If $x > 5$ and $y < 0$, then $x + y > 5$.

QUESTION 2. (2.5 points) Is $q_1 \wedge \neg q_2 \rightarrow q_3$ logically equivalent to $\neg q_1 \vee q_2 \vee q_3$? Explain

QUESTION 3. Give a direct prove that $6m + 13$ is an odd number for each $n \in \mathbb{Z}^+$. (DO NOT WRITE MORE THAN 3 lines)

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