

## QUIZ NUMBER EIGHT FOR MTH 213

AYMAN BADAWI

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

**QUESTION 1.** Use Math. Induction to prove that  $\sum_{i=1}^n \left(\frac{1}{i(i+1)}\right) = \frac{n}{n+1}$

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