

## MATH 187 – Section 002 – Quiz 4

You may work with other class members on this quiz, but you may *not* receive assistance from people not in MATH 187, Section 002. You must show all of your work to receive full credit. Do all your work on other sheets of paper and be sure to staple all the pieces of paper together or **YOU WILL GET A 'ZERO' ON THE QUIZ**. Your work on this quiz must be handed in by the beginning of class on Friday, 29 February 2008. **GOOD LUCK!**

- 1) Consider the relation  $\neq$  on the set of integers. Is this relation reflexive? irreflexive? symmetric? antisymmetric? transitive? Explain your reasoning.
- 2) Determine a relation on a set that is neither reflexive nor irreflexive.