

Math 305, Quiz 4
October 4, 2007

Name: _____

- (1) (5 pts) Which of the letters

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Which of these letters has a group of symmetries of order 2? (We consider the letters as having no thickness.)

- (2) (5 pts) For $a \in \mathbb{Z}$, prove that a^2 is congruent to either 0 or 1 modulo 4.