Name: ______________________________

Math 166 - Theory of Computability - Winter 1999

Quiz #8 — March 11

1. Let $\Sigma = \{a, b, c\}$ and let

$$L = \{w \in \Sigma^* : |w| \geq 3 \text{ and the third-to-last symbol of } w \text{ is } a\},$$

Give a Turing machine which decides L.