

## Quiz 3

Name:

For each of the following languages over  $\Sigma = \{a, b\}$ , give two strings that are in the language and two strings not in the language.

1.  $a^* \cup b^*$

2.  $(aa \cup bb)^*$

3.  $\Sigma^* a \Sigma^* b \Sigma^* a \Sigma^*$