

NAME:

1. Is abc a word of Language $(abc \cup (bc)^*) \cdot cba$? Why?
2. Is $bcbccba$ a word of Language $(abc \cup (bc)^*) \cdot cba$? Why?
3. Is 00 a word of Language $01^* (00 \cup 11) 1^* 0$? Why?
4. Is 0100 a word of Language $01^* (00 \cup 11) 1^* 0$? Why?
5. Is 1100010 a word of Language $(00 \cup 11)^+ 01^* 0$? Why?