1. Consider the language of binary strings defined by the following regular expression:

$$(10)^*01(10)^*(0|1)$$

Which of these strings are accepted by this expression? (Circle all that apply, if any).

- 1001100
- 0110101
- 1000101

2. Give a regular expression which accepts the language of all binary strings which both end in 0 and have a length that is a positive multiple of 3.