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).

   - 10011
   - 0110101
   - 01
   - 1010010
   - 10011001

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

3. Does the regular expression
$$[+|-](0|1|...|9)^*[.](0|1|...|9)^*$$
   recognize the language of decimal numbers? Why or why not?