

Regular Expressions

Do NOT write on this test. Record all answers on the bubble sheet. **Closed book. No notes.** Work strictly from memory. No time limit.

True or False: does the entire string match the regular expression?

- 1/1p. Does the string "dx" match the regular expression "dx"?
- 2/1p. Does the string "t" match the regular expression "(td)?|ud"?
- 3/1p. Does the string "hw" match the regular expression "fp?hw"?
- 4/1p. Does the string "kb" match the regular expression "(ub)*|kb"?
- 5/1p. Does the string "nu" match the regular expression "(nc*u)?"?
- 6/1p. Does the string "kdkd" match the regular expression "n?|(kd)*"?
- 7/1p. Does the string "zyzyzyzy" match the regular expression "(zy?|bs)?"?
- 8/1p. Does the string "urcurc" match the regular expression "u*rc*?"?
- 9/1p. Does the string "wswsbgz" match the regular expression "(ws)+b|(gz)*"?
- 10/1p. Does the string "xtspp" match the regular expression "(xt)+|(sd)*pp"?
- 11/1p. Does the string "rh" match the regular expression "wr?|uq|rh"?
- 12/1p. Does the string "z" match the regular expression "z?|at"?
- 13/1p. Does the string "gp" match the regular expression "(gp)?|z+|fw"?
- 14/1p. Does the string "xn" match the regular expression "(pk)+p|x+n"?
- 15/1p. Does the string "ny" match the regular expression "y*(ag)?ny*?"?
- 16/1p. Does the string "hh" match the regular expression "((nw)*|h+z)*"?
- 17/1p. Does the string "uag" match the regular expression "(t+|ux+|ag?)+?"?
- 18/1p. Does the string "sa" match the regular expression "td?(qs)+|sa?|hd"?
- 19/1p. Does the string "qdcx" match the regular expression "(wy)?qd(cx)?"?
- 20/1p. Does the string "nqcbzqh" match the regular expression "n?qc(bz)?qh|gt"?

Total points 20.

QR2

Answer Key (points per line)

- | | |
|---------|-------|
| 1 (1). | true |
| 2 (1). | false |
| 3 (1). | false |
| 4 (1). | true |
| 5 (1). | true |
| 6 (1). | true |
| 7 (1). | false |
| 8 (1). | false |
| 9 (1). | false |
| 10 (1). | false |
| 11 (1). | true |
| 12 (1). | true |
| 13 (1). | true |
| 14 (1). | true |
| 15 (1). | true |
| 16 (1). | false |
| 17 (1). | false |
| 18 (1). | true |
| 19 (1). | true |
| 20 (1). | true |

Total points 20.