

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 "cxcu" match the regular expression "cx|cu"?
- 2/1p. Does the string "tk" match the regular expression "tk"?
- 3/1p. Does the string "ssskb" match the regular expression "(ss)+kb"?
- 4/1p. Does the empty string match the regular expression "rr+yg"?
- 5/1p. Does the string "dwqdwq" match the regular expression "(d*wq)*"?
- 6/1p. Does the string "qxqx" match the regular expression "(qx)*"?
- 7/1p. Does the string "xc" match the regular expression "sc|xc"?
- 8/1p. Does the string "kckcg" match the regular expression "kc*|g+"?
- 9/1p. Does the string "yyyyhdhww" match the regular expression "(yy)*|(dh)*hw"?
- 10/1p. Does the string "aaa" match the regular expression "(a*|g+)"?
- 11/1p. Does the string "tcc" match the regular expression "d+b|tc+"?
- 12/1p. Does the string "htttq" match the regular expression "((ht)?|st)?|q"?
- 13/1p. Does the string "gss" match the regular expression "(r+gs|u*)*"?
- 14/1p. Does the string "qgqgkckcfw" match the regular expression "(qg)*|kc+fw"?
- 15/1p. Does the string "pffu" match the regular expression "((py)+|f)+|(ux)+"?
- 16/1p. Does the string "rnxx" match the regular expression "fs*(r+nx)"?
- 17/1p. Does the string "nunuffbb" match the regular expression "(nu)+ff|k|b*"?
- 18/1p. Does the string "yy" match the regular expression "(yf?(dk)*)+|rh"?
- 19/1p. Does the string "knt" match the regular expression "((kd*n)+t?)+"?
- 20/1p. Does the string "fbttutu" match the regular expression "f*|bt(tu+a)*"?

Total points 20.

QR2

Answer Key (points per line)

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

Total points 20.