

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 empty string match the regular expression “f+h”?
- 2/1p. Does the string “gpgpwd” match the regular expression “gp+wd”?
- 3/1p. Does the empty string match the regular expression “a+bk”?
- 4/1p. Does the string “css” match the regular expression “cs*|kg”?
- 5/1p. Does the string “pxpx” match the regular expression “((pt)+|px)*”?
- 6/1p. Does the string “ucw” match the regular expression “u+cw”?
- 7/1p. Does the string “ddnn” match the regular expression “(d*n)*”?
- 8/1p. Does the string “agg” match the regular expression “ag*(ka)?”?
- 9/1p. Does the string “uuth” match the regular expression “(u*|tn)+th”?
- 10/1p. Does the string “p” match the regular expression “r?|p?|ft”?
- 11/1p. Does the empty string match the regular expression “(k*k*)*”?
- 12/1p. Does the string “ryx” match the regular expression “g?ry|x?”?
- 13/1p. Does the string “uunssdys” match the regular expression “u?(ns)+|dy|s”?
- 14/1p. Does the string “su” match the regular expression “(s+u)+|(dg)+”?
- 15/1p. Does the string “yr” match the regular expression “((dn)*ds|yr)?”?
- 16/1p. Does the string “wk” match the regular expression “(wk)?|t|qk(hf)*”?
- 17/1p. Does the string “prprgguu” match the regular expression “((pr)*g?|u)*”?
- 18/1p. Does the string “fpucpuc” match the regular expression “g*f(pu+c)+”?
- 19/1p. Does the string “yffw” match the regular expression “(y*|cr|f*|wc)*”?
- 20/1p. Does the string “xrr” match the regular expression “(xr)?ab*|n”?

Total points 20.

QR2

Answer Key (points per line)

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

Total points 20.