

Name: _____

Math 104 Qualification for partial test 3 make-up. Due Thursday, 3 April, 8 p.m.

On this sheet, do the following:

1: Write the four laws for exponential functions, (2)-(5) on p.172 of your text.

(1)

(2)

(3)

(4)

2: By setting $a^x = u$ and $a^y = v$, and therefore $\log_a(u) = x$ and $\log_a(v) = y$, you see that each of these rules corresponds to a rule for the logarithm function. State these rules in the same order:

(1~)

(2~)

(3~)

(4~)

4.2 p. 182 #6c: r.q.!

#4b:

#2c:

#24: Exact solution involving logarithms, no decimal expansion: