

Worksheet 1

Name _____
MATH1100

Due: March 30, 2020
NO CALCULATORS!!!!

1. Expand

$$\ln\left(\frac{4x}{y^2}\right)$$

2. Condense

$$\log_4(x) - \log_4(2x + 1) + 2\log_4(5x)$$

3. $f(x) = -e^{x+1} + 3$

Sketch. Label any asymptotes and reference point.

4. $f(x) = \log_2(-x + 3) + 2$

a) Find domain.

b) Sketch. Label any asymptotes and reference point.