

Name _____ Date _____
MAT 1275CO – Mr. Kan Logarithm Properties

1) Watch this video: <https://www.youtube.com/watch?v=Jtv9Lnf7Zw8> on the properties of logarithms.

2) Describe, in your own words, the 3 properties of logarithms introduced in the video.

i. $\log(a^n)$

ii. $\log(a \cdot b)$

iii. $\log\left(\frac{a}{b}\right)$

3) Rewrite the logarithms using the properties described in the video.

a) $\log(4x)$

b) $\log(y^8)$

c) $\log\left(\frac{b}{7}\right)$