

Name _____ Date _____
MAT 1275 – 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.

a) $\text{Log}(a^n)$

b) $\text{Log}(a * b)$

c) $\text{Log}\left(\frac{a}{b}\right)$

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

a) $\text{Log}(4x)$

b) $\text{Log}(x^8)$

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