

Math 163 – Formula Sheet for Test 3

$$A = P \left(1 + \frac{r}{n} \right)^m$$

$$A = A_0 e^{rt}$$

$$\log_a (MN) = \log_a M + \log_a N$$

$$\log_a \left(\frac{M}{N} \right) = \log_a M - \log_a N$$

$$\log_a M^N = N \log_a M$$

$$\log_a M = \frac{\log_b M}{\log_b a} \quad \left(= \frac{\log M}{\log a} = \frac{\ln M}{\ln a} \right)$$