Unit 8 – Logs (Converting, COB, Evaluating)

Write each exponential in logarithmic form.

1. $9^2 = 81$

2. $25^2 = 625$

3. $17^0 = 1$

4. $5^{-2} = \dfrac{1}{25}$

Write each logarithm in exponential form.

5. $\log_4 256 = 4$

6. $\log_7 1 = 0$

7. $\log_2 32 = 5$

8. $\log 10 = 1$

Evaluate each logarithm using change of base.

9. $\log_2 16$

10. $\log_6 216$

11. $\log_3 \dfrac{1}{9}$

12. $\log 100{,}000$