

LOG LAWS:

Logarithms can be manipulated using log laws, as seen below.

$$\log_a a^x = x \text{ for all real } x$$

$$a^{\log_a x} = x \text{ for all } x >$$

3.3 WORKED EXAMPLE

Evaluate $\log_2 8$.

3.4 WORKED EXAMPLE

Evaluate $\log_2 \frac{1}{64}$.

