

Expand.

$$2. \log_3 2x^3$$

$$3. \log_{10} 5x^3y$$

$$4. \log_7 \frac{x^3}{y}$$

Expand.

$$5. \log_4 \frac{5a^2}{b^5}$$

$$6. \ln \frac{3\sqrt[3]{x}}{yz^3}$$