

Sec. 1.4 Exponent Laws (Part B - Core)

1. Write each expression as a product of powers or a quotient of powers.

a) $(3 \times 2)^4$

b) $[(-4) \times 3]^2$

c) $\left(\frac{8}{4}\right)^4$

d) $(10 \div 5)^3$

2. Write as a power.

a) $(3^4)^2$

b) $(5^0)^3$

3. Simplify, then evaluate.

a) $(2^3 \times 2^1)^2$

b) $(5^4 \div 5^2)^2$

c) $[3^0 \times 3^3]^2$

d) $(10^2)^4 \div 10^1$