2.2 Powers of Tens & the Zero Exponent

Zero Exponent Law

A power with any base (other than zero) that has a 0 exponent = 1

Ex. #1

(a) \(6^0 = 1\)  
(b) \((-5)^0 = 1\)  
(c) \(-2^0 = -(2)^0 = -1\)

Writing Numbers Using Powers of 10

Write 3452 using powers of 10

\[3452 = 3000 + 400 + 50 + 2\]

\[= (3 \times 10^3) + (4 \times 10^2) + (5 \times 10^1) + (2 \times 10^0)\]

Pg. 61 # 4-6, 8-10, 13