Numbers in Exponential Form Raised to a Power

Rule: (xm)n = xmn

Examples: 1) (123)9 = 1227

 2) ( (-4)5 )8 = (-4)40

 3) (2.47)2 = 2.414

Rule: (xy)n = xnyn

Examples: 1) (32 x 74)5= 310 x 720

2) (a2bc3)4 = a8b4c12

 3) (x2yz4)7= x14y7z28