3-1) Expand the exponential expressions.

a. =

b. =

c. =

d. =

3-2) Simplify the exponential expressions.

i. =

ii.

iii. =

iv.

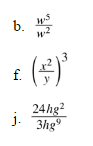
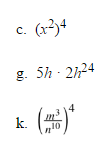
v. =

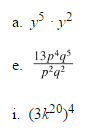
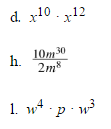
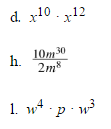
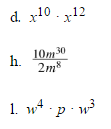
vi. *m*6 · *m=*

vii.

viii. =

Challenge: =

3-3) Simplify each exponential expression.



3-4) Write 3 exponential expressions that will simplify to

Multiplication:

Division:

Power of a Power (Grouping):

3-5) What is the difference between and ?