

QUESTION 1 Write each of the following in simplest index notation.

a $m \times m \times m =$ _____

b $a \times a \times a \times a \times a \times a =$ _____

c $l \times l \times l \times l =$ _____

d $x \times x \times x \times x \times x \times x \times x =$ _____

e $p \times p =$ _____

f $q \times q \times q \times q \times q =$ _____

QUESTION 2 Write each of the following in the expanded form.

a $b^2 =$ _____

b $x^5 =$ _____

c $a^4 =$ _____

d $m^7 =$ _____

e $e^3 =$ _____

f $f^8 =$ _____

QUESTION 4 Write each of the following in simplest index notation.

a $3 \times a \times a \times a =$ _____

b $4 \times y \times y \times 2 =$ _____

c $x \times x \times 6 \times x \times x =$ _____

d $p \times p \times 2 \times p \times p =$ _____

e $h \times h \times 9 \times h =$ _____

f $3 \times m \times m \times 3 \times m \times m =$ _____

QUESTION 1 Multiply the following.

a $8a \times 2a =$ _____

b $5a \times 4a \times 3c =$ _____

c $5a \times 3a =$ _____

d $24a^2 \times 4a \times 3a =$ _____

e $9x \times (-3x) =$ _____

f $6a \times 3a \times (-2a) =$ _____

g $15xy \times 3x^2 =$ _____

h $5y \times (-3y) \times (-y) =$ _____

i $8a \times 3b \times 4a =$ _____

j $8 \times 9a \times a^2 =$ _____

k $ab \times a^2 \times 3a =$ _____

l $3ab \times 3ab \times ab =$ _____

QUESTION 1 Simplify the following products.

a $a^2 \times a^3 =$ _____

b $6p^2 \times p^3 =$ _____

c $y^3 \times y^8 =$ _____

d $m^3 \times m^4 =$ _____

e $8a^3 \times 4a^5 =$ _____

f $x^7 \times x^5 \times x^3 =$ _____

g $x^5 \times x^7 =$ _____

h $9a^2 \times 8a^7 =$ _____

i $10p^5 \times 8p^6 =$ _____

j $x^8 \times x^{12} =$ _____

k $a^4b^4 \times a^3b^3 =$ _____

l $9x^2 \times 4x^5y^5 =$ _____