QUESTION 3 Expand the following expressions.

a $5(2x+7) =$ _____ **b** $7(3x-11) =$ _____

c $-3(4x-9) =$ _____ **d** $-4(2x+5) =$ _____

e $8(6y+3) =$ _____ **f** $-3a(5a+5) =$ _____

g $-x(2x+7) =$ _____ **h** $-m(8m-5) =$ _____

i $-2t(3t+5) =$ _____ **j** $8a(2a+3b) =$ _____

k $-8x(3x-5) =$ _____ **l** $6p(2p-3m) =$ _____

QUESTION 4 Expand and simplify.

a $2(x+3)+5x =$ _____ **b** $4(y+3)+7y+5 =$ _____

c $5(xy-7)-3xy =$ _____ **d** $9(p-7)-8p-7 =$ _____

e $4y(y+3)-2y^2 =$ _____ **f** $8x-3(x-2) =$ _____

g $9p-3(8-p) =$ _____ **h** $5m+4(m-4) =$ _____

i $9m(2m+1)-10m^2 =$ _____ **j** $7(x-5)-3x+9 =$ _____

k $8(t-3)-3t =$ _____ **l** $6(x+8)-3(x-2) =$ _____

QUESTION 5 Expand and simplify.

a $4(m+3)+2(m+1) =$ _____ **b** $5(x+3)-3(x-1) =$ _____

c $8(2x+7)+3(x+2) =$ _____ **d** $8(2x+7)-4(2x-5) =$ _____

e $5(y+7)-2(y-1) =$ _____ **f** $9(3x+1)-5(2x-3) =$ _____

g $7(n-4)-2(n+2) =$ _____ **h** $x(2x+3)-3(x+1) =$ _____

QUESTION 5 Expand the following expressions.

a $am(m^2-1) =$ _____ **b** $x(x^2-9) =$ _____ **c** $a(a^3-7) =$ _____

d $q(8q+3p) =$ _____ **e** $3m(4m-3n) =$ _____ **f** $9(5p-6) =$ _____

g $7(6x-10y) =$ _____ **h** $7p(3p-4) =$ _____ **i** $10(5a-9b) =$ _____

QUESTION 6 Expand.

a $2x(10x-3y) =$ _____ **b** $x^3(x^4-x^2) =$ _____ **c** $5a(6a-7b) =$ _____

d $x^2(x^4-7) =$ _____ **e** $x^5(x-3) =$ _____ **f** $6a^2(a^3+5) =$ _____

g $a^3(a^2-a) =$ _____ **h** $x^7(x^2-x) =$ _____ **i** $7a^3b^2(a^3+b) =$ _____

j $m(4m-5n) =$ _____ **k** $xy(x^2-y^2) =$ _____ **l** $8a^2b(a+b) =$ _____

m $6mn(3m-2n) =$ _____ **n** $mn(m-n) =$ _____ **o** $9a(a^2+b^2) =$ _____