



KEC

K Education Centre

KS3 /GCSE Blend Mathematics

Algebra Part-1

Assignment Questions

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Algebra

Q1 :Expand the following :

a) $(z+6)(z+5)$

b) $(x-6)(x-10)$

c) $-2(x-y)$

d) $-4a(2a+4)$

e) $-(a-b)$

f) $-y^2(y+y^2)$

Q2 : Expand and simplify the following

a) $4(a+5) + 5(a-2)$

b) $8(y+2) - 6(y-2)$

c) $9(z+10) - 6(z-8)$

d) $10y^2(2y-2) + 8(3y^3+2y^2)$

e) $ab^2 + 4a^2b - 7a^2b + 5ab^2$

f) $(6-y)(z+1) + 6(y+yz+3z) + 6yz$

Q3: Factorise :

a) $20ab^2 + 40ab^6 + a^3b^3$

b) $10xy^3 + 20x^2y^4 + 30xy$

Q4: A rectangle with sides 6 and $3y+2$ has a small rectangle with sides 3 and $y-1$ cut of it. Work out the remaining area.