



KEC

K Education Centre



GCSE Maths - Foundation

Basic Algebra

Assignment Questions

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Basic Algebra

Q: Simplify the following :

a) $-5(y+6)$

b) $4y(y+2) - 2y(y-5)$

c) $y^3(y+5)$

Q: Expand and simplify :

a) $(y-7)(y-9)$

b) $(2y+5)(2y+9)$

c) $(5y-9)^2$

Q: Factorise the following :

a) $8y^2 + 4y$

b) $2mn^2 + 4m$

c) $Y^2 - 64$

d) $49 - b^2$

e) $4y^2 + 16$

Q: Factorise the following quadratic expressions :

a) $Y^2 - 7y + 12$

b) $y^2 + 9y + 20$

Q: Solve these quadratic equations by factorising :

a) $y^2 + 9y + 20 = 0$

b) $y^2 + 6y - 16 = 0$

c) $y^2 - 12y + 32 = 0$

d) $y^2 + 5y + 6 = 0$