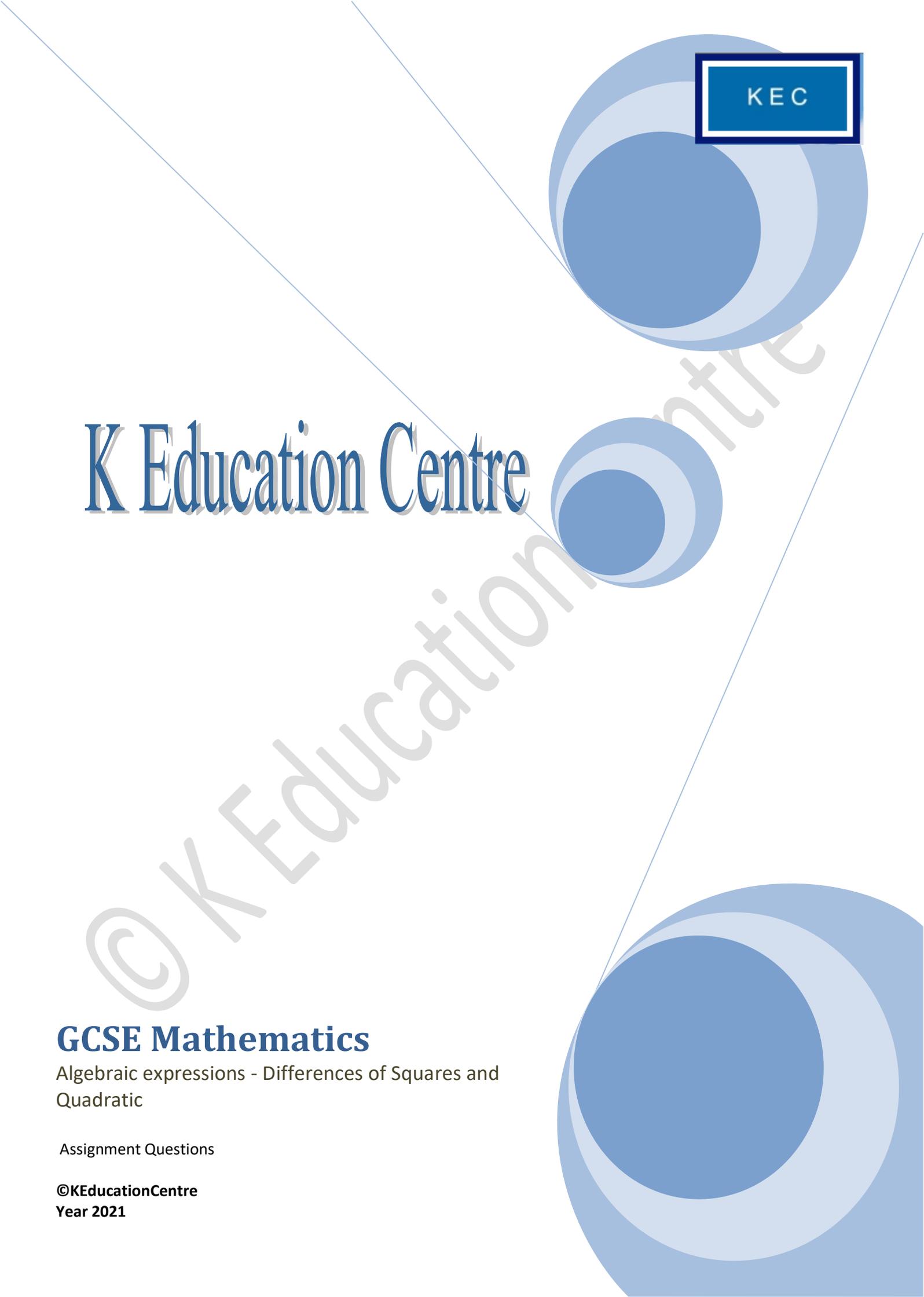# K Education Centre

GCSE Mathematics

Algebraic expressions - Differences of Squares and Quadratic

Assignment Questions

Q1 : Factorise :

a) $24y^2 - 8y + 1$ b) $y^{12} - 13y^6 + 36$ c) $z^{100} - 8z^{50} + 16$

Q3 : Factorise :

a) $9t^2 - 16z^2$ b) $144z^2 - 121$

Q4 : Expand and simplify $(y+5)^2 - (y-5)^2$

Q5 : Factorise $36y^{20} - 25n^{16}$

Q6 : Use factorisation of $8y^2+10y-3$ to find its value when y= 10.

Q7 : Area of rectangle is given by $6y^2 - 5y - 6$. Find the perimeter of the rectangle.

Q8 : Make y the subject of the formula $5-y/ 5+y = r$