



KEC

K Education Centre



KS3 Year 9 Mathematics

Algebra and Fractions

Assignment Questions

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Year 2020

Algebra - Factoring , Fractions (Multiplying)

Q1 :Factorise the following:

a) $9y - 24$

b) $6y^3 - 4y$

c) $9ab^2 - ab + b^2$

d) $x^2 - 16$

e) $z^2 - 81$

f) $18y^2 + 10y$

g) $14y^3 - 4y$

Q2 : Factorise completely :

a) $14rs - 2r$

b) $18f - 12ef$

c) $16a - 32ab$

Q3 : Simplify the following :

a) $5(y - 3) + 6(y - 2)$

b) $18(y^2 + 2y) - 4y(3 - 2y)$

Q4 : Simplify the following fractions :

a) $\frac{15}{2} \times \frac{22}{3}$

b) $\frac{10}{3} \times \frac{12}{5}$

c) $\frac{18}{7} \times \frac{21}{9}$

d) $\frac{5}{8} \times \frac{4}{15}$