



Aberdare Community School  
Mathematics Department

WJEC GCSE

**Higher – Calculator**

Algebra

# **Algebraic fractions**

Name: .....

Set: .....

Date: .....

Teacher: .....

22. Solve the equation  $\frac{n}{n+3} + \frac{7}{n+4} = 1$ .

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[5]

18. Express  $\frac{x}{3x+1} - \frac{2}{8x-1}$  as a single fraction in its simplest form.

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[4]

19. (a) Show that the equation  $\frac{5}{x-2} + \frac{4}{x+1} = 2$  can be written as  $2x^2 - 11x - 1 = 0$ . [4]

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- (b) Hence solve the equation  $\frac{5}{x-2} + \frac{4}{x+1} = 2$ .  
Give your answers correct to 2 decimal places. [3]

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