



# Back To The Future Education

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## Year 10 Assessment

Full Name	Current Grade
Date	Phone Number

**Show all working on these sheets.  
Do not use a calculator.**

1. Simplify  $\frac{8a}{3b} + \frac{2a}{9b}$

2. Solve for x:  $5x + 3 \leq 3x + 11$

3. Solve the following simultaneous equation  
 $3a + 2b = 7$  ,  $4a - 3b = 2$

4. Expand and simplify  $2x(3x - 2) - 5(3x + 2)$

5. Simplify  $(3x + 5)(x - 1) + (x + 2)^2$

6. Expand  $(x + 5)^2$

7.  $\frac{6x - 14}{3x - 9} \div \frac{3x - 7}{5x - 15} =$

8.  $\frac{1}{(x + 1)(x + 2)} + \frac{1}{x + 1} =$

9. Find the distance between the points (3 , 8) and (5 , 4)

10. Find the value of the following :  $16^{\frac{1}{4}}$

11. Simplify the following:  $(2x^3)^3 \div 8x^8$

Please fax to 1300 133 865 for marking

Result

Recommended Program

Marked By

Date