**Year 12 Intro 1**

**Question 1**

Simplify   ..........................  **(1 mark)**

**Question 2**

Simplify fully    **.......................... (2 marks)**

**Question 3**

Simplify fully    **.......................... (2 marks)**

**Question 4**

Simplify fully    **.......................... (2 marks)**

**Question 5**

Simplify fully    **.......................... (2 marks)**

**Question 6**

Simplify    **.......................... (1 mark)**

**Question 7**

Simplify    **.......................... (2 marks)**

**Question 8**

Simplify    **.......................... (3 marks)**

**Question 9**

Write   as a single power of

**........................ (1 mark)**

**Question 10**

Expand and simplify

**.......................... (2 marks)**

**Question 11**

Simplify the expression    **.......................... (1 mark)**

**Question 12**

Factorise

**.......................... (2 marks)**

**Question 13**

Factorise

**.......................... (2 marks)**

**Question 14** Simplify

**.......................... (3 marks)**

**Question 15** Simplify

**…....................... (3 marks)**

**Question 16**

Factorise, and hence simplify:

**.......................... (3 marks)**

**Question 17**

The area of a trapezium is given by the formula

Make   the subject of the formula.

**.......................... (3 marks)**

**Question 18**

Change the subject of the following formula to  .

**.......................... (3 marks)**

**Question 19**

Change the subject of the formula   to  .

**.......................... (3 marks)**

**Question 20**

Make  the subject of the formula

**.......................... (3 marks)**

**Question 21**

Make   the subject of the formula

**.......................... (5 marks)**

**Question 22** Make   the subject of

**.......................... (4 marks)**

**Question 23** Make   the subject of

**.......................... (4 marks)**