Surname	
Other Names	
Candidate's Signature	

GCSE 9 - 1 Questions

Changing the Subject
Linear

Calculator Not Allowed

INSTRUCTIONS TO CANDIDATES

- Write your name in the space provided.
- Write your answers in the spaces provided in this question paper.
- Answer ALL questions.
- Any working should be clearly shown in the spaces provided since marks may be awarded for partially correct solutions.
- You should have a ruler, compass and protractor where required.

Total Marks :

1) Make g the subject of the formula $v = u + gt$.

Answer $g =$ _____ [2]

2) **(a)** Make k the subject of the formula

$$m = 5k + p$$

Answer _____ [2]

(b) Rearrange $a = 25 - 6b$ to make b the subject.

Answer $b =$ _____ [2]

(c) Simplify $(5a^2b^2) \times (2ab^3)$

Answer _____ [3]

3) **(a)** Rearrange $x(y + 1) = 2$

    to find y in terms of x.

                              Answer $y =$ _____ [2]

  (b) Make r the subject of $v = \sqrt{ar}$

                              Answer $r =$ _____ [2]

  (c) Rearrange the formula $d = \dfrac{k}{a} + 10$

    to make k the subject.

                              Answer $k =$ _____ [2]

4) Rearrange $4(x - y) = 2y + 5$ to make x the subject.

Answer $x =$ _____ [3]

5) Rearrange $y + 5 = 7 - x$ to make x the subject.

Answer $x =$ _____ [2]

6) Rewrite $c - 2 = 10 - b$ to make b the subject.

Write your answer in its simplest form.

Answer $b =$ _____ [2]

7) Rewrite $5 - x = 3 + y$ to make x the subject.
Write the answer in its simplest form.

Answer $x =$ _____ [2]

8) Given that

$$\frac{w}{4} - 7 = x,$$

find w in terms of x. [2]

....

....

....

....

....

9) Make h the subject of the formula.
   Give your answer in its simplest form. [3]

$$5p + 7h = 11q + 3p$$

10) Rearrange the following formulae to make w the subject.

(a) $t + 5w = h$ [2]

11) Make m the subject of the formula $y = 6m + 7$. [2]

12) Make q the subject of the following formula.

$$3q + h^2 = m$$

[2]