Name: _____

GCSE (1 - 9) Changing the Subject of the Formula	Solutions:

These questions are compiled from *released* Pearson Edexcel GCSE maths exam papers
They contain exam questions from up until the ***Summer 2023*** exam series
More recent exam papers do exist but are withheld for mock exams
As new exam papers are released these worksheets will gradually be updated
The ***most current*** version of these worksheets will always be available at: kennethstafford.co.uk

Question	Where the question appeared
1	Edexcel, GCSE, Autumn 2018, Paper 1F, Q21
2	Edexcel, GCSE, Autumn 2020, Paper 1F, Q20
3	Edexcel, GCSE, Summer 2017, Paper 3F, Q11
4	Edexcel, GCSE, Summer 2018, Paper 3F, Q28
5	Edexcel, GCSE, Summer 2019, Paper 3F, Q19
6	Edexcel, GCSE, November 2022, Paper 2F, Q21
7	Edexcel, GCSE, Summer 2022, Paper 3F, Q23

1

$v^2 = u^2 + 2as$

$u = 12 \quad a = -3 \quad s = 18$

(a) Work out a value of v.

.....

(2)

(b) Make s the subject of $v^2 = u^2 + 2as$

.....

(2)

(Total for Question 21 is 4 marks)

[Edexcel, GCSE, Autumn 2018, Paper 1F, Q21]

2

(a) Make q the subject of $p = 6q + 7$

.....

(2)

(b) Simplify $(m^{-2})^{-3}$

.....

(1)

(Total for Question 30 is 3 marks)

[Edexcel, GCSE, Autumn 2020, Paper 1F, Q20]

3

$T = 4v + 3$

(a) Work out the value of T when $v = 2$

$T =$ .....

(2)

(b) Make v the subject of the formula $T = 4v + 3$

.....

(2)

(Total for Question 11 is 4 marks)

[Edexcel, GCSE, Summer 2017, Paper 3F, Q11]

4

Make g the subject of the formula $T = \sqrt{\frac{g+6}{2}}$

.....

(Total for Question 28 is 3 marks)

[Edexcel, GCSE, Summer 2018, Paper 3F, Q28]

5

Make x the subject of the formula $y = 2x + 4$

.....

(Total for Question 19 is 2 marks)

[Edexcel, GCSE, Summer 2019, Paper 3F, Q19]

6

Make a the subject of the formula $p = 3a - 9$

.....

(Total for Question 21 is 2 marks)

[Edexcel, GCSE, November 2022, Paper 2F, Q21]

7

(b) Make p the subject of the formula $d = 3p + 4$

.....

(2)

(Total for Question 23 is 4 marks)

[Edexcel, GCSE, Summer 2022, Paper 3F, Q23]