

A145 Rearranging formula 1

Q1.

Make t the subject of the formula $w = 3t + 11$

.....
(Total for question is 2 marks)

Q2.

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

.....
(Total for question = 2 marks)

Q3.

Make t the subject of the formula $y = \frac{t}{3} - 2a$

.....
(Total for question = 2 marks)

Q4.

$$q = \frac{p}{r} + s$$

Make p the subject of this formula.

.....
(Total for question = 2 marks)

Q5.

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

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

(a) Work out a value of v .

.....

(2)

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

.....

(2)

(Total for question = 4 marks)

Q6.

Make t the subject of $5(t - g) = 2t + 7$

.....

(Total for question = 3 marks)

Q7.

Make y the subject of $3(y + 2x - 1) = x + 5y$

$y = \dots\dots\dots$

(Total for question is 3 marks)

Q8.

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

$\dots\dots\dots$

(Total for question = 3 marks)

Q9.

Make t the subject of $p = \sqrt{a + \frac{t}{2}}$

.....
(Total for question = 3 marks)

Q10.

$$m = \sqrt{\frac{k^3 + 1}{4}}$$

Make k the subject of the formula.

.....
(Total for question is 3 marks)