

A157 Rearranging formula 2

Q1.

Make a the subject of $a + 3 = \frac{2a + 7}{r}$

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

Q2.

Make t the subject of the formula $k = \frac{2(t + 3)}{t - 3}$

.....
(Total for question = 4 marks)

Q3.

Make m the subject of

$$f = \frac{4 - 3m}{5 + m}$$

.....
(Total for question = 4 marks)

Q4.

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

Make k the subject of the formula.

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

Q5.

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

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

Q6.

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

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

Q7.

Make m the subject of the formula $f = \frac{3m + 4}{m - 1}$

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

Q8.

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

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

Q9.

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

$y = \dots\dots\dots$

(Total for question is 3 marks)

Q10.

Make x the subject of $y = \sqrt{\frac{2x + 1}{x - 1}}$

$\dots\dots\dots$

(Total for Question is 4 marks)

Q11.

Make x the subject of the formula $y = \frac{ax + b}{cx + d}$

.....
(Total for question = 4 marks)

Q12.

Make e the subject of $k = \sqrt{\frac{5m + 2e}{3e}}$

.....
(Total for question = 4 marks)

Q13.

Given that y is positive, make y the subject of $y = \sqrt{ay^2 + n}$

Show clear algebraic working.

$y = \dots\dots\dots$

(Total for Question is 5 marks)