Example of year 11 maths homework from HT2

Q1.

Make *a* the subject of the formula $p = \frac{3a + 5}{4 - a}$

$\times (4 - a)$ to remove fraction

$$p(4 - a) = 3a + 5$$

expand brackets

$$4p - ap = 3a + 5$$

Collect like terms

$$4p - 5 = 3a + ap$$

$$4p - 5 = a(3 + p)$$

factorise

$$\div (3 + p)$$

$$\frac{4p - 5}{3 + p} = a$$

....

(Total for question = 4 marks)

Example of year 11 maths homework from HT2

Please now try question 2

Q2.

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

....

(Total for question = 4 marks)