National 4 Homework Exercise 24 Change of Sub<u>j</u>ect

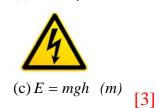
1. Complete all calculations below without a calculator. <u>Show all working!</u>

(a)
$$3.54 \times 600$$
 (b) $13.7 \div 40$ (c) $\frac{2}{5}$ of 780g [4]

2. Make *x* the subject of the following formulae.

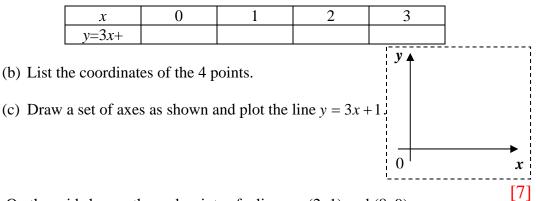
(a) x+2 = p (b) f-x = g (c) m = x+3 [4]

- 3. Make *x* the subject of the following formulae.
 - (a) y = 3x(b) y = -7x(c) y = 3x + 2(d) p + 8x = h(e) a - 6x = b(f) b - 3xyz = c [12]
- 4. Change the subject of the formula to the letter in brackets.

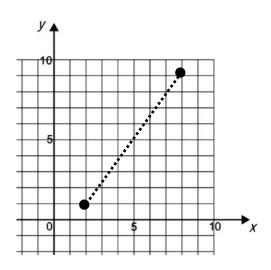


(a) V = IR (R) (b) V = lbt (b)

5. (a) Complete the table for the line y = 3x + 1.



6. On the grid shown, the end-points of a line are (2, 1) and (8, 9). Calculate the length of the dotted line.



[4]