**12** $\dfrac{2^{\frac{x}{3}}}{8^x} = 64$

(a) Find the value of $x$
Show clear algebraic working.

$x =$ .....

**(3)**

(b) Expand and simplify $4t(t + 5)(2t - 3)$

.....

**(3)**

**(Total for Question 12 is 6 marks)**

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