

Test Your Understanding

Edexcel C4 June 2013 (Withdrawn) Q1

(a) Find the binomial expansion of

$$\sqrt[3]{9+8x}, \quad |x| < \frac{9}{8}$$

in ascending powers of x , up to and including the term in x^2 .
Give each coefficient as a simplified fraction.

(5)

(b) Use your expansion to estimate the value of $\sqrt[3]{11}$, giving your answer as a single fraction.

(3)

B1

M1;

A1 $\sqrt{}$

or

A1 or

A1

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web this video covers in detail how to build the basic test circuit found in the datasheet of the icl 8038 i am using the dso shell oscilloscope which is a cheap and descent scope for basic projects

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web icl8038 function generator function generator with adjustable frequency from 0 hz to over 400 khz adjustable amplitude dc offset duty and of course the function selection square triangle and sine generator based on good old icl8038 integrated chip generator that gives pretty good shaped signals as for amateur purposes