

Binomial Negative & Fractional Difficulty: Easy

Question Paper 3

Level	A Level
Subject	Maths Pure 3
Exam Board	CIE
Topic	Algebra
Sub-Topic	Binomial negative & fractional
Difficulty	Easy
Booklet	Question Paper 3

Time allowed: 32 minutes

Score: /23

Percentage: /100

Grade Boundaries:

A*	A	B	C	D	E
>90%	81%	70%	58%	46%	34%

Question 1

Expand $(1 - 4x)^4$ in ascending powers of x , up to and including the term in x^3 , simplifying the coefficients. [4]

Question 2

Expand $(2 + x^2)^2$ in ascending powers of x , up to and including the term in x^4 , simplifying the coefficients. [4]

Question 3

Expand $\frac{1}{(2+x)^3}$ in ascending powers of x , up to and including the term in x^2 , simplifying the coefficients. [4]

Question 4

Expand $(1+x)\sqrt{1-2x}$ in ascending powers of x , up to and including the term in x^2 , simplifying the coefficients. [4]

Question 5

Expand $(1 + 2x)^{-3}$ in ascending powers of x , up to and including the term in x^2 , simplifying the coefficients. [3]

Question 6

Expand $\frac{16}{(2+x)^2}$ in ascending powers of x , up to and including the term in x^2 , simplifying the coefficients. [4]