**Binomial Expansion**

Expand and simplify

(a)

(b)

(c)

(d)

(e)

(f)

(a) Find the coefficient of the term in the expansion of

(b) Find the coefficient of the term in the expansion of

The first three numbers in the tenth row of Pascal’s triangle are 1, 10, and 45.

(a) Write down the first three numbers in the eleventh row of Pascal’s triangle.

(b) Hence write down the first three terms, in ascending powers of , of

(a) Expand and simplify

(b) Work out the coefficient of the term in the expansion of

The coefficient of the term in the expansion of is 960. Find the possible values of .

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