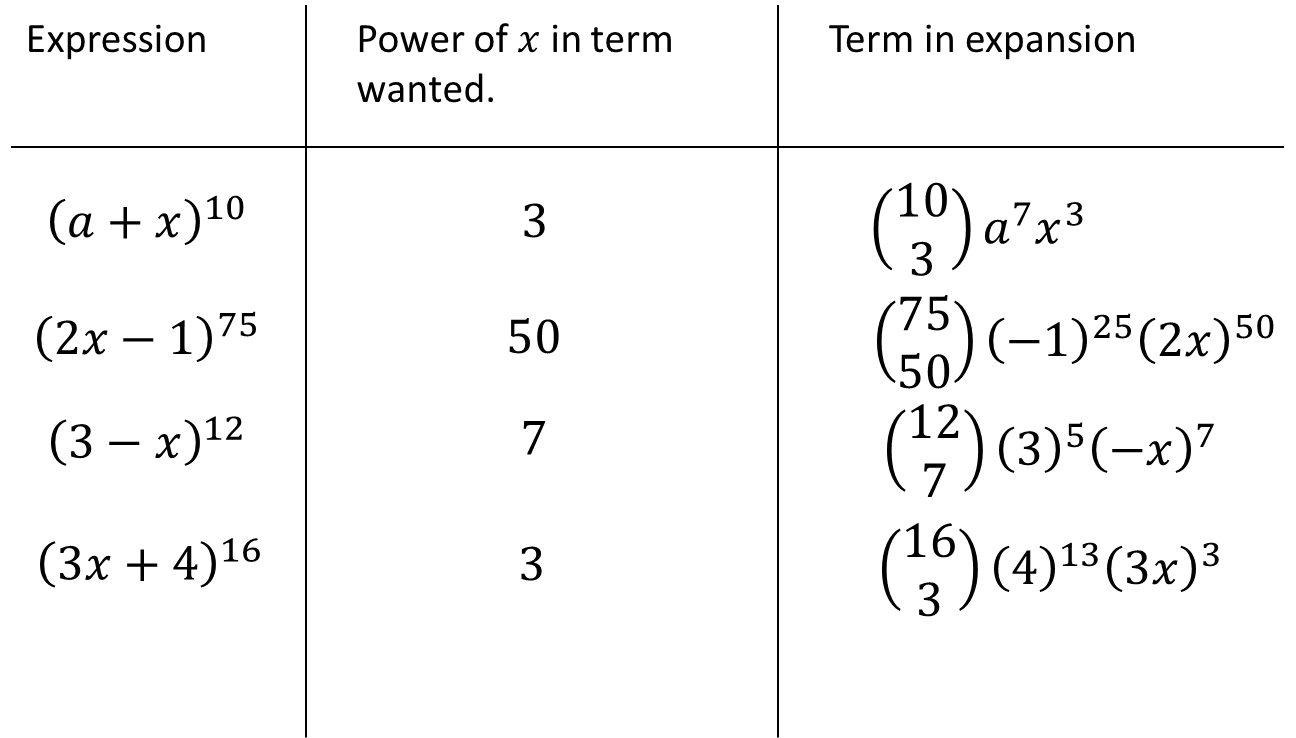
Finding a Single Term in the Expansion



Example

The coefficient of in the expansion of is 3360. Find the possible value(s) of the constant .

Test Your Understanding

In the expansion of , where is a non-zero constant the coefficient of is double the coefficient of . Find the value of .

Extension

1. *MAT 2014 1G]* Let be a positive integer. The coefficient of in the expansion of equals:




7. [STEP I 2013 Q6] By considering the coefficient of in the series for , or otherwise, obtain the following relation between binomial coefficients:

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