Assignment : Finding Coefficients (Binomial)   Date_____

Find each coefficient described.

1) Coefficient of y^2 in expansion of $(y + 3)^5$

2) Coefficient of m in expansion of $(m + 3)^5$

3) Coefficient of y^3 in expansion of $(y + 3)^4$

4) Coefficient of x^3 in expansion of $(x + 4)^4$

5) Coefficient of u^3 in expansion of $(u^3 + 4)^4$

6) Coefficient of y^6 in expansion of $(y^2 + 3)^5$

7) Coefficient of x^2 in expansion of $(x^2 + 3)^5$

8) Coefficient of x^4 in expansion of $(x^2 + 4)^4$

9) Coefficient of xy^9 in expansion of $(x + y^3)^4$

10) Coefficient of xy^{16} in expansion of $(x + y^4)^5$

Answers to Assignment : Finding Coefficients (Binomial)

1) 270	2) 405	3) 12	4) 16
5) 256	6) 90	7) 405	8) 96
9) 4	10) 5		