PROBLEM SET 6-8

(The Binomial Theorem)

Expand each binomial.

1.	$(x-3)^3$	2.	$(a+3b)^4$
3.	$(x+2)^5$	4.	$(x^2-2y)^3$
5.	$(2x+3y)^4$	6.	$(2x+y)^5$

Find the specified term of each binomial expansion.

7.	Third term of $(x+3)^{12}$	8.	Fourth term of $(x+2)^5$
9.	Second term of $(x+3)^9$	10.	Third term of $(x-2)^{12}$
11.	Eighth term of $(x-2y)^{15}$	12.	Third term of $(3x-2)^9$