Name:			

1. [4 points] Find the <u>numerical value</u> of the coefficient of  $x^6y^3$  in  $(x+y)^9$ .

2. [3 points] Find the coefficient of  $x^4$  in  $(3x-1)^{11}$ . You do not need to simplify your answer.

3. [3 points] Find the coefficient of  $x^8y^3$  in  $(4x - 2y + 3)^{20}$ . You do not need to simplify your answer.