Practice worksheet | Counting and introductory statistics

Pascal's triangle and finite binomial expansion

Name: _____ Date: _____

6 questions | 13 marks

1. Write the coefficients of $(a+b)^5$. [2 marks]

2. Expand $(x+1)^3$. [2 marks]

3. Expand $(x-2)^3$. [2 marks]

4. Find the coefficient of x^3 in $(x+2)^5$. [2 marks]

5. Find the constant term in $(3x-2)^4$. [2 marks]

6. Show that the sum of coefficients of $(2x+1)^4$ is 81. [3 marks]