

1086-VN-2787      **Bill Linderman\*** ([wclinder@king.edu](mailto:wclinder@king.edu)). *Rook Polynomials*. Preliminary report.

A rook is a chess piece that can move horizontally or vertically, and a rook polynomial is a generating function for the number of ways to place non-capturing rooks on a chessboard. We will demonstrate a method of counting permutations with restricted positions using rook polynomials. (Received September 25, 2012)