Modular polynomials are polynomials whose coefficients are modular forms of certain type, and they are in one-to-one correspondence with quasimodular polynomials that are naturally associated to quasimodular forms. In addition to the formal derivative operator $\partial_X$, there is a differential operator $D_\lambda$ on quasimodular polynomials corresponding to the derivative operator on quasimodular forms. We discuss linear maps of quasimodular polynomials corresponding to certain linear maps of modular polynomials, which reduce to the operators $D_\lambda$ and $\partial_X$ in special cases. (Received January 14, 2011)