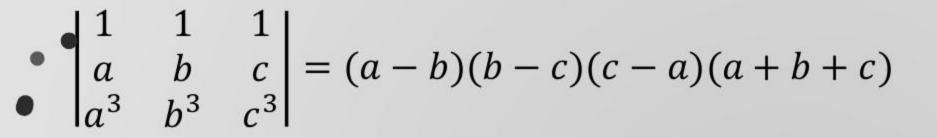




Some Important Determinants



Degree
$$= 4$$

Degree = 3

Linear term

Proof:

$$\Delta = 1 \left(b^1 c^3 - b^3 c \right)$$

Put
$$a = b \Rightarrow \Delta = 0 \Rightarrow (a - b)$$
 is a factor of Δ

$$b = c \Rightarrow \Delta = 0 \Rightarrow (b - c)$$
 is a factor of Δ

$$c = a \Rightarrow \Delta = 0 \Rightarrow (c - a)$$
 is a factor of Δ

