



## Some Important Determinants

- $$\begin{vmatrix} 1 & 1 & 1 \\ a^2 & b^2 & c^2 \\ a^3 & b^3 & c^3 \end{vmatrix} = (a-b)(b-c)(c-a)(ab+bc+ca)$$

$\underbrace{\hspace{10em}}$   
Degree = 5

$\underbrace{\hspace{10em}}$   
Degree = 3

$\underbrace{\hspace{10em}}$   
2<sup>nd</sup> degree terms

Put  $a = b$  or  $b = c$  or  $c = a$

- $\Rightarrow \Delta = 0$

