

## Class Eight

### Lecture 3

(Ch : 4.4)

$$\begin{aligned} ২৬। \quad ১ম রাশি &= x^2 - 4 \\ &= (x)^2 - (2)^2 \\ &= (x + 2) (x - 2) \end{aligned}$$

$$\begin{aligned} ২য় রাশি &= x^2 + 4x + 4 \\ &= (x)^2 + 2.x.2 + (2)^2 \\ &= (x + 2)^2 \\ &= (x + 2) (x + 2) \end{aligned}$$

$$\begin{aligned} ৩য় রাশি &= x^3 - 8 \\ &= (x)^3 - (2)^3 \\ &= (x - 2) (x + x.2 + 2^2) \\ &= (x - 2) (x^2 + 2x + 4) \end{aligned}$$

নির্ণেয় ল.সা.গু :

$$\begin{aligned} &(x + 2) (x - 2) (x + 2) (x^2 + 2x + 4) \\ &= (x + 2)^2 (x^3 - 2^3) \\ &= (x + 2)^2 (x^3 - 8) \end{aligned}$$