

ಸರ್ಕಾರಿ ಪ್ರೌಢಶಾಲೆ, ರಾಯಲ್ವಾಡು

ವಿದ್ಯಾರ್ಥಿ ಹೆಸರು(Name of the student) _____

ದ್ವಿಪದೋಕ್ತಿಗಳ ಗುಣಕಾರ Multiplication of Binomial By Binomial

$$(x + 2)(2x + 3) = x(2x + 3) + 2(2x + 3)$$

$$= x \cdot 2x + x \cdot 3 + 2 \cdot 2x + 2 \cdot 3$$

$$= 2x^2 + 3x + 4x + 6 \quad (3x, 4x \text{ ಸಜಾತಿ ಪದಗಳು Like terms})$$

$$(x + 2)(2x + 3) = 2x^2 + 7x + 6$$

$$+ \times + = +$$

$$- \times - = +$$

$$+ \times - = -$$

$$- \times + = -$$

$$\begin{aligned} (x + 3)(x + 5) &= \square (\square + \square) + \square (\square + \square) \\ &= \square \cdot \square + \square \cdot \square + \square \cdot \square + \square \cdot \square \\ &= \square^2 + \square + \square + \square \\ &= \square^2 + \square + \square \end{aligned}$$

$$\begin{aligned} (2x + 5)(x + 3) &= \square (\square + \square) + \square (\square + \square) \\ &= \square \cdot \square + \square \cdot \square + \square \cdot \square + \square \cdot \square \\ &= \square^2 + \square + \square + \square \\ &= \square^2 + \square + \square \end{aligned}$$

$$\begin{aligned} (x + 7)(x - 2) &= \square (\square \square \square) + \square (\square \square \square) \\ &= \square \cdot \square \square \square + \square \cdot \square \square \square \\ &= \square^2 + \square \square \square \square \square \square \\ &= \square^2 + \square \square \square \square \square \end{aligned}$$

