



Assignment

ABHYAS Academy,Near Govt. College, Nishat Cinema Road,
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Date: __ / __ / ____

Name: _____

Max Marks: 25

Section- A (Two Marks Each)

- Simplify $3(x^2 - 5x + 3) - 2(x^2 + 2x + 4)$.
- Find the area of the rectangle with side $6x^2$ and $\frac{x+1}{2x}$.
- Find the value of $5(p - q - s^2) - 2(r - s^2)$ if $p = -1, q = -2$ and $r = 3$ and $s = -2$
- Find the remainder: $(-4xy + 9y + 8x - 18) \div (-4x + 9)$
- Find the perimeter of a rectangle with sides $8x^2 + 7x + 3$ and $4x^2 - 3x - 7$
- Multiply: $(a^2 + ab + b^2)(a - b)$

Section-B (Three Marks Each)

- Subtract: (i) $7xy - 8y$ from $11xy - 7y$ (II) $3a^2b + 7ab - b^2$ from $-4a^2b - 8b^2$
- Find the product of: (i) $(3x^2 - 2y^2)(3x^2 - 2y^2)$ (ii) $(\frac{2a+3}{b})(\frac{2a-3}{b})$
- Divide the first polynomial by the second polynomial in each of the following. Also, write the quotient and remainder: $3x^2 + 4x + 5; x - 2$.

Section-C (Four Marks Each)

- Simplify: (1) $(2x + 5)(3x - 2) + (x + 2)(2x - 3)$ (2) $\frac{1}{3}(6x^2 + 15y^2)(6x^2 - 15y^2)$



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- Simplify: (1) $(2x + 5)(3x - 2) + (x + 2)(2x - 3)$ (2) $\frac{1}{3}(6x^2 + 15y^2)(6x^2 - 15y^2)$