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MM 30

Time 1h 10 min

1 Mark Each

1. Numerical coefficient of $8x^3yz^2$ is _____
2. Monomial is a _____
3. Write like terms from $2x^2, 2x, 2x^3, -5x, 11x^4$
4. Write numerical coefficient of $-3x^3yza^2$
5. Find area of rectangle with sides $3x$ and $-5y$

2 Marks Each

6. Add $xy - yz, yz - zx$ and $zx - xy$
7. Subtract $4x - 7xy + 3y + 12$ from $12x - 9xy + 5y - 3$
8. Find Volume of a cuboid whose length = $5xy$, breadth = $-7y^2z$ and height = $-9xyz^4$
9. Add $a(b - c), b(c - a)$ and $c(a - b)$
10. Simplify using identity 6.1×5.8

3 Marks Each

11. Simplify the expressions and evaluate them
 $3y(2y - 7) - 3(y - 4) - 63$ for $y = -2$
12. Add $5y(3y^2 + 5y - 11)$ and $-3(y^3 - 4y^2 + 6)$
13. Simplify and evaluate for $a = -1$ and $b = 2$ ($a^2 + 3b^2$) and $(7a - 8b)$
14. Simplify $(2.5x - 6y)(2.5x + 6y + 3) - 6.5x + 18y$
15. Evaluate using identity 6.1×5.8

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