

Mr. Ward Review

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5. $-3x^3 + 4x^2 + 6x + 7$

L.C. = -3

Degree = 3

Terms = 4

Name = cubic polynomial

6. $-x^5 + 2x^4 + 5x^3 + 8x$

L.C. = -1

Degree = 5

Terms = 4

Name = quintic polynomial

7. $9x^2 - 11x + 1$

L.C. = 9

Degree = 2

Terms = 3

Name = quadratic trinomial

8. $x^4 - 6x^2$

L.C. = 1

Degree = 4

Terms = 2

Name = quartic binomial

9. $8x^3 - 4x^2 - 3x + 1 - 1 + 5x^2 - x$

= $8x^3 + x^2 - 4x$

10. $-5x^3 + 6x^2 + 10x - 1$

11. $5x - 2x^2 - 4x^2 - 6x + 9$

= $-6x^2 - x + 9$

12. $-4x^4 - x^3 - 3$

17. $15x^3 - 10x^2$

18. $-6t^3 + 18t^2 - 3t$

19. $a^3b^2 - a^2b^2 + a^2b^3$

20. $x^3 - 2x^2 - 3x - 2x^2 + 4x + 6$

= $x^3 - 4x^2 + x + 6$

21. $2x^4 - 2x^3 + 2x + 5x^3 - 5x^2 + 5$

= $2x^4 + 3x^3 - 5x^2 + 2x + 5$

22. $(x-3)(x-3)(x-3)$

$x^2 - 6x + 9(x-3)$

$x^3 - 3x^2 - 6x^2 + 18x + 9x - 27$

= $x^3 - 9x^2 + 27x - 27$

23. $x^5 - 3x^3 + x^2 + 4x^4 - 12x^2 + 4x$

= $x^5 + 4x^4 - 3x^3 - 11x^2 + 4x$

24. $1(2x)^4(1)^0 + 4(2x)^3(1)^1 + 6(2x)^2(1)^2 + 4(2x)^1(1)^3 + 1(2x)^0(1)^4$

= $16x^4 + 32x^3 + 24x^2 + 8x + 1$