



แบบฝึกหัดการคูณพหุนามกำลังสี่

จงหาผลคูณของพหุนามต่อไปนี้โดยใช้ตารางโดยยึดหลักการคูณเวทคณิตแบบแนวตั้งและแนวไขว้

1. $(4x^4 - 20x^3 + 25x^2 - 2x + 5)(5x^4 - 9x^3 + 7x^2 - 8x + 4)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

2. $(11x^4 - 8x^3 + 3x^2 - 9x + 1)(10x^4 - 7x^3 + 17x^2 - 12x + 9)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

3. $(9x^4 - 5x^3 + 7x^2 + 8)(6x^4 - 4x^2 - 5x + 3)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

4. $(4x^4 + 7x^3 - 9x^2 + 5x - 15)(6x^4 + 7x^3 - 3x^2 + 8x - 2)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

5. $(9x^4 + 14x^3 - 6x^2 + 12x - 5)(8x^4 - 7x^3 + 13x^2 - 20x + 8)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0





6. $(8x^4+6x^3-5x^2+7x-2)(6x^4-7x^3+5x^2-8x+4)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

7. $(13x^4-8x^3+2x^2-9x+10)(4x^4-5x^3+8x^2-6x+1)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

8. $(6x^4-5x^3+4x^2-3x+8)(7x^4+6x^3-12x^2+27x-9)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

9. $(5x^4-16x^3+7x^2-5x+17)(8x^4-7x^3+9x^2-12x+6)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

10. $(7x^4-5x^3-9x^2+4x-13)(9x^4-13x^3+19x^2+14x-2)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0





11. $(6x^4 - 9x^3 + 2x + 1)(4x^3 + 7x^2 - 5)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

12. $(18x^4 - 14x^2 + 8x - 1)(17x^4 - 15x^3 + 6x - 5)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

13. $(19x^4 - 6x^3 + 7x^2 - 1)(12x^3 - 6x^2 + 9x)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

14. $(5x^4 - 18x^3 + 15x^2 + 7x - 9)(18x^3 - 16x^2 + 8)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

15. $(18x^4 + 5x^3 - 8x + 2)(9x^3 + 2x - 8)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0





16. $(5x^4 - 8x^2 + 9)(7x^3 - 3x^2 + 6)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

17. $(17x^4 - 18x^3 + 5x^2 - 1)(15x^4 + 5x - 2)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

18. $(19x^4 - 8x^2 + 6x)(14x^3 - 9x^2 + 5)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

19. $(17x^4 - 6x^3 + 2x - 6)(17x^3 - 8x^2 + 7)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

20. $(19x^4 - 6x^3 + 3x^2 - 4x + 12)(15x^4 - 9x^2 + 1x - 7)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0





21. $(17x^4 - 24x^3 + 7x^2 - 11x + 7)(9x^4 + 15x^3 - 6x^2 + 18x - 4)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

22. $(25x^4 - 6x^3 + 17x^2 - 5x + 19)(24x^4 - 5x^3 - 6x^2 + 28x - 4)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

23. $(14x^4 - 11x^3 + 5x^2 - 7x + 2)(15x^4 - 3x^3 + 26x^2 - 5x + 16)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

24. $(22x^4 - 8x^3 + 15x^2 - 4x + 3)(16x^4 - 5x^3 - 28x^2 + 4x - 5)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

25. $(14x^4 - 2x^3 + 5x^2 - 13x + 19)(23x^4 - 22x^3 + 17x^2 - 6x + 5)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0





26. $(23x^4 - 44x^3 + 5x^2 - 12x - 8)(22x^4 - 9x^3 + 3x^2 - 2x + 6)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

27. $(16x^4 + 8x^3 - 4x^2 + 5x - 22)(18x^4 + 7x^3 - 3x^2 + 13x - 24)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

28. $(25x^4 + 12x^3 - 23x^2 - 21x + 3)(24x^4 + 16x^3 - 11x^2 + 8x - 4)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

29. $(15x^4 + 24x^3 + 12x^2 - 27x + 13)(18x^4 - 4x^3 + 6x^2 - 17x + 10)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

30. $(12x^4 + 23x^3 - 11x^2 + 5x - 3)(6x^4 - 8x^3 + 17x^2 - 3x + 5)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0





31. $(27x^4 - 17x^3 + 16x + 1)(13x^3 - 19x^2 - 6x)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

32. $(29x^4 - 10x^2 + 15x - 7)(25x^3 - 17x^2 + 21x + 8)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

33. $(15x^4 + 43x^3 - 8x^2 + 4x - 1)(5x^4 - 29x^3 - 6x^2 - 2x + 1)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

34. $(43x^4 + 7x^3 - 29x^2 - 5x + 4)(7x^3 - 8x^2 + 16x - 2)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

35. $(22x^4 - 51x^3 + 17x^2 - 12x + 7)(31x^3 - 6x^2 + 3x - 9)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0





36. $(33x^4 - 16x^3 + 5x^2 - 7x - 4)(12x^3 - 9x^2 + 14x - 3)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

37. $(42x^4 - 6x^3 + 17x^2 + 4x - 1)(19x^3 + 5x^2 - 9x + 3)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

38. $(6x^4 + 18x^3 - 9x - 7)(19x^3 + 13x^2 - 2x + 5)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

39. $(41x^4 - 5x^3 + 8x^2 - 2x + 32)(22x^3 - 16x^2 + 12x - 6)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

40. $(14x^4 - 16x^3 + 7x^2 - 1)(18x^3 - 6x^2 + 19x + 4)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0





41. $(5x^4 - 12x^3 + 4x^2 - 6x + 9)(12x^4 - 15x^3 + 6x^2 - 13x + 6)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

42. $(14x^4 - 13x^3 + 12x^2 - 11x + 10)(15x^4 - 16x^3 + 17x^2 - 18x + 19)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

43. $(21x^4 + 22x^3 + 23x^2 - 24x + 25)(6x^4 + 7x^3 + 8x^2 - 9x + 3)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

44. $(8x^4 - 6x^3 + 5x^2 - 7x + 9)(3x^4 - 5x^3 + 2x^2 + 11x - 8)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

45. $(17x^4 - 18x^3 + 19x^2 + 20x - 21)(12x^4 - 29x^3 + 11x^2 - 19x - 13)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0





46. $(18x^4 - 9x^3 - 5x^2 + 2x - 17)(17x^4 - 4x^3 + 16x^2 - 25x + 11)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

47. $(8x^4 + 5x^3 - 23x^2 + 21x - 14)(9x^4 - 25x^3 + 13x^2 + 12x - 23)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

48. $(6x^4 + 4x^3 - 3x^2 - 21x + 11)(7x^4 + 3x^3 + 6x^2 - 3x + 2)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

49. $(5x^4 - 7x^3 + 6x^2 - 9x + 7)(6x^4 + 7x^3 + 3x^2 - 4x + 5)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

50. $(4x^4 - 6x^3 + 9x^2 - 3x + 7)(4x^4 - 7x^3 + 4x^2 + 5x - 12)$

x^8	x^7	x^6	x^5	x^4	x^3	x^2	x^1	x^0

