

PRACTICE QUESTIONS OF FACTORIZATION (MIDDLE TERM BREAK)

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|--------------------------|---------------------------|----------------------------|--------------------------|--------------------------|-----------------------|
| 1. $x^2 + 5x + 6$ | 2. $x^2 + 8x + 12$ | 3. $x^2 - 5x + 6$ | 4. $x^2 + x - 6$ | 5. $2x^2 + 2x + 3$ | 6. $3x^2 + 17x + 20$ |
| 7. $x^2 + x - 6$ | 8. $x^2 - 4x - 21$ | 9. $2x^2y^2 + 5xy - 12$ | 10. $x^2 + 6x + 8$ | 11. $y^2 + 3y + 2$ | 12. $m^2 - 9m + 8$ |
| 13. $b^2 + 11b + 28$ | 14. $x^2 - 11x + 24$ | 15. $c^2 - 4c + 4$ | 16. $x^2 - 9x + 20$ | 17. $x^2 + x - 2$ | 18. $a^2 - 9a + 14$ |
| 19. $x^2 + 2x - 8$ | 20. $2x^2 + 11x + 12$ | 21. $3x^2 + 10x + 7$ | 22. $4x^2 - 7x + 3$ | 23. $5x^2 - 13x + 6$ | 24. $6a^2 + 19x + 20$ |
| 25. $4a^2 - 7a + 3$ | 26. $4m^2 + 8m + 3$ | 27. $6p^2 + 7p - 20$ | 28. $4x^2 - 4x - 8$ | 29. $3x^2 + 15x + 18$ | 30. $4x^2 + 10x + 4$ |
| 31. $6x^2 + 15x - 36$ | 32. $8x^2 + 4x - 60$ | 33. $12x^2 + 10x + 2$ | 34. $18x^2 - 39x + 18$ | 35. $12x^2 + 10x - 2$ | 36. $4x^2 - 22x + 24$ |
| 37. $35x^2 + 55x - 30$ | 38. $6a^2b^2 - 19ab - 20$ | 39. $6x^2y^2 + 5xy - 6$ | 40. $16 + 8xy + x^2y^2$ | 41. $25 - 10hk + h^2k^2$ | |
| 42. $7hk - 15 + 2h^2k^2$ | 43. $3 - 8mn + 4m^2n^2$ | 44. $12p^2q^2 - 40 + 14pq$ | 45. $13hk + 6 + 5h^2k^2$ | 46. $e^2 - 16e + 64$ | |
| 47. $d^2 + 6d - 27$ | 48. $a^2 - 12a + 36$ | 49. $q^2 + 7q - 60$ | 50. $b^2 - 7b - 120$ | 51. $10a^2 - 3a - 1$ | |
| 52. $k^2 - 2k - 63$ | 53. $3p^2 - 10p + 8$ | 54. $2m^2 + 5m - 3$ | 55. $x^2 - x + 110$ | 56. $x^2 - x - 600$ | |

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| 13. $b^2 + 11b + 28$ | 14. $x^2 - 11x + 24$ | 15. $c^2 - 4c + 4$ | 16. $x^2 - 9x + 20$ | 17. $x^2 + x - 2$ | 18. $a^2 - 9a + 14$ |
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| 52. $k^2 - 2k - 63$ | 53. $3p^2 - 10p + 8$ | 54. $2m^2 + 5m - 3$ | 55. $x^2 - x + 110$ | 56. $x^2 - x - 600$ | |