

Factoring Worksheet C

35

Name: _____

(If a polynomial is not factorable, write PRIME)

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|---------------------|-------|----------------------|-------|
| 1. $2x^2 + 5x + 3$ | _____ | 11. $2n^2 + 7n + 3$ | _____ |
| 2. $5m^2 + 6m + 1$ | _____ | 12. $8n^2 + 6n + 1$ | _____ |
| 3. $7n^2 - 8n + 1$ | _____ | 13. $14k^2 - 9k + 1$ | _____ |
| 4. $5w^2 - 16w + 3$ | _____ | 14. $7y^2 - 18y + 8$ | _____ |
| 5. $3k^2 - 5k + 1$ | _____ | 15. $3z^2 + z - 2$ | _____ |
| 6. $2t^2 - t - 6$ | _____ | 16. $3m^2 + 2m - 5$ | _____ |
| 7. $4x^2 - x - 3$ | _____ | 17. $9x^2 + 3x - 2$ | _____ |
| 8. $7k^2 + 19k - 6$ | _____ | 18. $3w^2 - 7w + 6$ | _____ |
| 9. $1 + m - 6m^2$ | _____ | 19. $q^2 - 3q - 10$ | _____ |
| 10. $2x^2 - x - 10$ | _____ | 20. $4w^2 + 23w - 6$ | _____ |
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|----------------------------|-------|--------------------------|-------|
| 21. $w^2 - wy - 2y^2$ | _____ | 26. $g^2 - gh - 56h^2$ | _____ |
| 22. $9p^2 - 25pq - 6q^2$ | _____ | 27. $3k^2 - 5kp - 12p^2$ | _____ |
| 23. $25b^2 + 10bc - 3c^2$ | _____ | 28. $36w^2 - 5w - 24$ | _____ |
| 24. $12x^2 + 19xy - 18y^2$ | _____ | 29. $20m^2 + 27m - 8$ | _____ |
| 25. $12n^2 - 4n - 21$ | _____ | 30. $24x^2 - 31x - 15$ | _____ |
| 31. $48w^2 - 29w - 15$ | _____ | | |
| 32. $21s^2 - 4s - 12$ | _____ | | |
| 33. $108f^2 + 15f - 7$ | _____ | | |
| 34. $6a^2 - 17a - 45$ | _____ | | |
| 35. $42x^2 + 41x + 9$ | _____ | | |