

HONORS – Factoring Using a Quadratic Pattern Practice

Factor the following polynomials *completely*. Record your answers on a separate sheet of paper!

- | | | | |
|------------------------|------------------------|------------------------|-----------------------|
| 9. $x^4 - 5x^2 + 4$ | 10. $x^4 - 12x^2 + 11$ | 21. $x^4 - 8x^2 + 7$ | 23. $x^4 - 7x^2 + 12$ |
| 11. $x^4 - 10x^2 + 16$ | 12. $x^4 - 8x^2 + 16$ | 24. $x^4 - 5x^2 + 4$ | 26. $4x^4 - 6x^2 + 2$ |
| 13. $x^4 - 9x^2 + 14$ | 14. $x^4 + 13x^2 + 36$ | 22. $x^4 + 8x^2 - 20$ | |
| 15. $x^4 - 10x^2 + 9$ | 16. $x^4 + 3x^2 - 4$ | 25. $x^4 - 1$ | |
| 27. $x^4 - 10x^2 + 9$ | 28. $x^4 - 8x^2 + 16$ | 29. $x^4 - 12x^2 - 64$ | |
| 30. $x^4 + 7x^2 - 18$ | 31. $x^4 + 4x^2 - 12$ | 32. $x^4 + 8x^2 + 15$ | |

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