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| Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | http://www.edhelperclipart.com/clipart/edhelp1.gif | Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Polynomials**

**Factor out the GCF from each polynomial on a separate sheet of paper.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 1. | -336x3 + 288x | | |  |  | | --- | --- | | 2. | 3x2 - 3x | |
| |  |  | | --- | --- | | 3. | -3x3 - 33x | | |  |  | | --- | --- | | 4. | -15x2 + 18x | |
| |  |  | | --- | --- | | 5. | 4x3 - 28x | | |  |  | | --- | --- | | 6. | 160x3 + 100x2 - 180x | |
| |  |  | | --- | --- | | 7. | 19x3 - 19x | | |  |  | | --- | --- | | 8. | -6x3 + 8x | |
| |  |  | | --- | --- | | 9. | 36x3 - 24x2 + 8x | | |  |  | | --- | --- | | 10. | -14x2 + 16x | |
| |  |  | | --- | --- | | 11. | -16x4 - 32x3 - 80x2 | | |  |  | | --- | --- | | 12. | 14x5 - 24x4 | |
| |  |  | | --- | --- | | 13. | x3 + 3x | | |  |  | | --- | --- | | 14. | -43x2 + 387x | |
| |  |  | | --- | --- | | 15. | -6x5 + 3x3 | | |  |  | | --- | --- | | 16. | 96x3 - 48x2 + 60x | |
| |  |  | | --- | --- | | 17. | 33x2 + 363x | | |  |  | | --- | --- | | 18. | 37x4 - 259x3 - 222x2 | |
| |  |  | | --- | --- | | 19. | -396x3 - 108x2 + 108x | | |  |  | | --- | --- | | 20. | 2x6 - 4x5 + 20x4 | |
| |  |  | | --- | --- | | 21. | -10x6 + 12x5 - 4x4 | | |  |  | | --- | --- | | 22. | 24x3 + 168x | |
| |  |  | | --- | --- | | 23. | 39x5 - 195x4 | | |  |  | | --- | --- | | 24. | -5x3 - 7x | |
| |  |  | | --- | --- | | 25. | 4x2 + 9x | | |  |  | | --- | --- | | 26. | -33x2 - 330x | |
| |  |  | | --- | --- | | 27. | -36x3 + 44x2 + 20x | | |  |  | | --- | --- | | 28. | -3x6 + 15x4 | |
| |  |  | | --- | --- | | 29. | 33x6 - 99x5 - 165x4 | | |  |  | | --- | --- | | 30. | 3x3 + 10x2 - x | |