

Algebra 2  
Remember Factoring?

Name: \_\_\_\_\_  
Period: \_\_\_\_\_

Factor completely.

- |                      |                            |                                |   |
|----------------------|----------------------------|--------------------------------|---|
| 1. $30j^2 + 5j^9$    | 2. $-10j^{10}w^6 + 12jw^4$ | 3. $-18r^8x^6 + 42r^7x^6$      | 4. $15w^3 - 40w^8$                            |
| 5. $36c^7 + 42c^6$   | 6. $-30n^2 + 5n^7$         | 7. $6c^6 + 9c^7$               | 8. $15e^8 - 3e^9$                             |
| 9. $-3y + 3y^{10}$   | 10. $30t^8p^7 - 36t^9p^5$  | 11. $12a^3b - 6a^2b^4 + 3a^4b$ | 12. $n^{30}g^{10} - n^{24}g^{12} + n^{27}g^9$ |
| 13. $x^2 + 18x + 17$ | 14. $n^2 + 2n - 8$         | 15. $m^2 + 11m + 10$           | 16. $p^2 + 10p - 200$                         |
| 17. $f^2 - 21f + 68$ | 18. $k^2 - k - 42$         | 19. $b^2 - 3b - 54$            | 20. $k^2 + 7k - 30$                           |

Algebra 2  
Remember Factoring?

Name: \_\_\_\_\_  
Period: \_\_\_\_\_

Factor completely.

- |                      |                            |                                |   |
|----------------------|----------------------------|--------------------------------|---|
| 1. $30j^2 + 5j^9$    | 2. $-10j^{10}w^6 + 12jw^4$ | 3. $-18r^8x^6 + 42r^7x^6$      | 4. $15w^3 - 40w^8$                            |
| 5. $36c^7 + 42c^6$   | 6. $-30n^2 + 5n^7$         | 7. $6c^6 + 9c^7$               | 8. $15e^8 - 3e^9$                             |
| 9. $-3y + 3y^{10}$   | 10. $30t^8p^7 - 36t^9p^5$  | 11. $12a^3b - 6a^2b^4 + 3a^4b$ | 12. $n^{30}g^{10} - n^{24}g^{12} + n^{27}g^9$ |
| 13. $x^2 + 18x + 17$ | 14. $n^2 + 2n - 8$         | 15. $m^2 + 11m + 10$           | 16. $p^2 + 10p - 200$                         |
| 17. $f^2 - 21f + 68$ | 18. $k^2 - k - 42$         | 19. $b^2 - 3b - 54$            | 20. $k^2 + 7k - 30$                           |

Algebra 2  
Remember Factoring?

Name: \_\_\_\_\_  
Period: \_\_\_\_\_

Factor completely.

- |                      |                            |                                |   |
|----------------------|----------------------------|--------------------------------|---|
| 1. $30j^2 + 5j^9$    | 2. $-10j^{10}w^6 + 12jw^4$ | 3. $-18r^8x^6 + 42r^7x^6$      | 4. $15w^3 - 40w^8$                            |
| 5. $36c^7 + 42c^6$   | 6. $-30n^2 + 5n^7$         | 7. $6c^6 + 9c^7$               | 8. $15e^8 - 3e^9$                             |
| 9. $-3y + 3y^{10}$   | 10. $30t^8p^7 - 36t^9p^5$  | 11. $12a^3b - 6a^2b^4 + 3a^4b$ | 12. $n^{30}g^{10} - n^{24}g^{12} + n^{27}g^9$ |
| 13. $x^2 + 18x + 17$ | 14. $n^2 + 2n - 8$         | 15. $m^2 + 11m + 10$           | 16. $p^2 + 10p - 200$                         |
| 17. $f^2 - 21f + 68$ | 18. $k^2 - k - 42$         | 19. $b^2 - 3b - 54$            | 20. $k^2 + 7k - 30$                           |

Algebra 2  
Remember Factoring?

Name: \_\_\_\_\_  
Period: \_\_\_\_\_

Factor completely.

- |                      |                            |                                |   |
|----------------------|----------------------------|--------------------------------|---|
| 1. $30j^2 + 5j^9$    | 2. $-10j^{10}w^6 + 12jw^4$ | 3. $-18r^8x^6 + 42r^7x^6$      | 4. $15w^3 - 40w^8$                            |
| 5. $36c^7 + 42c^6$   | 6. $-30n^2 + 5n^7$         | 7. $6c^6 + 9c^7$               | 8. $15e^8 - 3e^9$                             |
| 9. $-3y + 3y^{10}$   | 10. $30t^8p^7 - 36t^9p^5$  | 11. $12a^3b - 6a^2b^4 + 3a^4b$ | 12. $n^{30}g^{10} - n^{24}g^{12} + n^{27}g^9$ |
| 13. $x^2 + 18x + 17$ | 14. $n^2 + 2n - 8$         | 15. $m^2 + 11m + 10$           | 16. $p^2 + 10p - 200$                         |
| 17. $f^2 - 21f + 68$ | 18. $k^2 - k - 42$         | 19. $b^2 - 3b - 54$            | 20. $k^2 + 7k - 30$                           |