

PRODUCTOS NOTABLES ( EJERCICIOS 1 )

Complete la tabla siguiente:

|     | Factorizado            | = | Desarrollado |
|-----|------------------------|---|--------------|
| 1.  | $(a + 5)(a + 3)$       | = |              |
| 2.  | $(r + 4)(r - 6)$       | = |              |
| 3.  | $(t - 1)(t + 2)$       | = |              |
| 4.  | $(z - 7)(z - 9)$       | = |              |
| 5.  | $(2x + 5)(2x - 4)$     | = |              |
| 6.  | $(5y - 3)(5y - 4)$     | = |              |
| 7.  | $(3z - 7)(3z + 6)$     | = |              |
| 8.  | $(2g + 3)(2g + 1)$     | = |              |
| 9.  | $(x^2 + y)(x^2 + z)$   | = |              |
| 10. | $(p^3 + q)(p^3 - r)$   | = |              |
| 11. | $(uv - 4)(uv + 9)$     | = |              |
| 12. | $(3n^2 - 2)(3n^2 - 3)$ | = |              |
| 13. | $(3z^2 - 6)(3z^2 + 1)$ | = |              |
| 14. | $(ab^2 - 3)(ab^2 - 6)$ | = |              |
| 15. | $(c^2d + 3)(c^2d + 4)$ | = |              |
| 16. | $(kj^3 + 2)(kj^3 - 6)$ | = |              |

## RESPUESTAS

|     | Factorizado            | = | Desarrollado            |
|-----|------------------------|---|-------------------------|
| 1.  | $(a + 5)(a + 3)$       | = | $a^2 + 8a + 15$         |
| 2.  | $(r + 4)(r - 6)$       | = | $r^2 - 2r - 24$         |
| 3.  | $(t - 1)(t + 2)$       | = | $t^2 + t - 2$           |
| 4.  | $(z - 7)(z - 9)$       | = | $z^2 - 16z + 63$        |
| 5.  | $(2x + 5)(2x - 4)$     | = | $4x^2 + 2x - 20$        |
| 6.  | $(5y - 3)(5y - 4)$     | = | $25y^2 - 35y + 12$      |
| 7.  | $(3z - 7)(3z + 6)$     | = | $9z^2 - 3z - 42$        |
| 8.  | $(2g + 3)(2g + 1)$     | = | $4g^2 + 8g + 3$         |
| 9.  | $(x^2 + y)(x^2 + z)$   | = | $x^4 + (y + z)x^2 + yz$ |
| 10. | $(p^3 + q)(p^3 - r)$   | = | $p^6 + (q - r)p^3 - qr$ |
| 11. | $(uv - 4)(uv + 9)$     | = | $u^2v^2 + 5uv - 36$     |
| 12. | $(3n^2 - 2)(3n^2 - 3)$ | = | $9n^4 - 15n^2 + 6$      |
| 13. | $(3z^2 - 6)(3z^2 + 1)$ | = | $9z^4 - 15z^2 - 6$      |
| 14. | $(ab^2 - 3)(ab^2 - 6)$ | = | $a^2b^4 - 9ab^2 + 18$   |
| 15. | $(c^2d + 3)(c^2d + 4)$ | = | $c^4d^2 + 7c^2d + 12$   |
| 16. | $(kj^3 + 2)(kj^3 - 6)$ | = | $k^2j^6 - 4kj^3 - 12$   |