INSTRUCCIONES: De las tres opciones que se te presentan, selecciona la que consideres correcta

FACTOR COMÚN

1. $a^3 + a^2 + a$
   - $a(a^2 + a + 1)$
   - $a(a^2 - a + 1)$
   - $a^2(a + 1 + a)$

2. $4x^2 - 8x + 2$
   - $2x(x^2 + 4x - 1)$
   - $2(-2x^2 - 4x + 1)$
   - $2(2x^2 - 4x + 1)$

3. $15y^3 + 20y^2\text{-}5y$
   - $5y(3y^2 + 4y - 1)$
   - $5y(y^2 - 4y + 1)$
   - $5y(3y + 4y - 1)$

4. $a^3 - a^2x + ax^2$
   - $a(a^2 + a + 1)$
   - $a(a^2 - ax + x^2)$
   - $a^2(a + ax + x)$

5. $2a^2x + 2ax^2 - 3ax$
   - $ax(2a + 2x - 3)$
   - $a(2ax - 2x + 3)$
   - $a^2(ax + 2x - 3)$

6. $x^3 + x^5 - x^7$
   - $x^2(x + x^2 + x^2)$
   - $x^3(1 + x^2 - x^4)$
   - $a^2(a + x^2 + x^4)$

7. $14x^2y^2 - 28x^3 + 56x^4$
   - $14x^2(y^2 - 2x - 4x^2)$
   - $7x^2(2y^2 - 2x + 4x)$
   - $14x^2(y^2 - 2x + 4x^2)$



8. $34ax^2 + 51a^2y - 68ay^2$
   - $17a(x^2 + 3ay + 4y)$
   - $17a(2x^2 + 3ay - 4y^2)$
   - $17a^2(2x + 3ay + 4y)$

9. $96 - 48mn^2 + 144n^3$
   - $48\ (2 - mn^2 + 3n^3)$
   - $48(2 + mn + 3n^3)$
   - $48(2 + mn^2 + 3n)$

10. $a^2b^2c^2 - a^2c^2x^2 + a^2c^2y^2$
    - $a^2c^2(b^2 + 2x^2 - y^2)$
    - $a^2c^2(b - x^2 - y^2)$
    - $a^2c^2(b^2 - x^2 + y^2)$

11. $55m^2n^3x + 110m^2n^3x^2 - 220m^2y^3$
    - $55m^2(n^3 + 2n^3x^2 + 2y^3)$
    - $55m^2(n^3x + n^3x^2 + 4y^2)$
    - $55m^2(n^3x + 2n^3x^2 - 4y^3)$



12. $93a^3x^2y - 62a^2x^3y^2 - 124a^2x$
    - $31a^2(3axy - 2x^2y^2 - 3)$
    - $31a^2x(3axy - 2x^2y^2 - 4)$
    - $31a^2x(3xy - 2x^2y^2 - 4)$

13. $x - x^2 + x^3 - x^4$
    - $x(1 - x + x^2 - x^3)$
    - $x(-x + x^2 + x^3$
    - $x(1 + x - x^2 - x^3$



LIVEWORKSHEETS