

Polinomios (II)

Productos notables: desarrollar las siguientes expresiones.

1. $(2x + y)^2$

2. $(a + b)^2$

3. $(a^2 - b)^2$

4. $(x + \frac{1}{2}y)^2$

5. $(\frac{3}{2}x - y)^2$

6. $(2x - \frac{1}{4}y)^2$

7. $(\frac{1}{2}x - \frac{3}{2})^2$

8. $(\frac{1}{2}x + \frac{1}{2})^2$

9. $(\frac{2}{10}x - \frac{2}{10}y)^2$

10. $(3xy - x)^2$

11. $(2x - xy)^2$

12. $(\frac{3}{4}xy - xy)^2$

13. $(\frac{3}{2}xy^2 - \frac{1}{2}xy)^2$

14. $(x^2y^2 - \frac{1}{2}xy)^2$

15. $(\frac{2}{3}xy^2 - \frac{3}{2}x^2y)^2$

16. $(x + 2y) \cdot (x - 2y)$

17. $(x + y^2) \cdot (x - y^2)$

18. $(5 + a) \cdot (5 - a)$

19. $(5 + a) \cdot (a - 5)$

20. $(\frac{2}{3}x + \frac{1}{2}y) \cdot (\frac{2}{3}x - \frac{1}{2}y)$

21. $(\frac{3}{4}x - 1) \cdot (\frac{3}{4}x + 1)$

22. $(-3x^2 + y) \cdot (3x^2 + y)$

23. $(\frac{5}{2}x^2 - \frac{1}{2}xy^2) \cdot (\frac{5}{2}x^2 + \frac{1}{2}xy^2)$

24. $(\frac{5}{4}x^2y^2 - \frac{2}{3}xy) \cdot (\frac{5}{4}x^2y^2 + \frac{2}{3}xy)$

25. $(\frac{1}{3}y^2 - \frac{1}{2}x^2y^2) \cdot (\frac{1}{3}y^2 + \frac{1}{2}x^2y^2)$

26. $(\frac{3}{5}x^2 - \frac{1}{3}y^2) \cdot (\frac{3}{5}x^2 + \frac{1}{3}y^2)$

27. $(\frac{3}{5}y^2 + \frac{1}{3}x^2)^2$

28. $(x^2 - \frac{1}{3}xyz)^2$

29. $(\frac{3}{5}x^2y^2z - \frac{1}{5}x^2y^2z)^2$

30. $(x^2 - \frac{1}{3}xyz) \cdot (x^2 + \frac{1}{3}xyz)$