

Une cada cociente notable con su respectiva respuesta

$$\frac{x^4-1}{1+x^2} =$$

$$\frac{8m^3+n^6}{2m+n^2} =$$

$$\frac{1-a^5}{1-a} =$$

$$\frac{x^6-27y^3}{x^2-3y} =$$

$$\frac{x^6-49y^6}{x^3+7y^3} =$$

$$\frac{a^{14}-b^{14}}{a^2-b^2} =$$

$$\frac{1+a^3}{1+a} =$$

$$\frac{16x^2y^4-25m^6}{4xy^2+m^3} =$$

$$\frac{x^{27}+y^{27}}{x^3+y^3} =$$

$$\frac{x^{27}+y^{27}}{a^9+y^9} =$$

$$\frac{a^4b^4-64x^6}{a^2b^2+8x^3} =$$

$$\frac{1+a^2b^4c^8}{1+ab^2c^4} =$$

$$\frac{32x^5+243y^5}{2x+3y} =$$

$$\frac{25-(a+1)^2}{5+(a+1)} =$$

$$\frac{1-x^{12}}{1-x^4} =$$

$$\frac{64x^6-343y^9}{4x^2-7y^3} =$$

$$\frac{a^{18}-b^{18}}{a^3+b^3} =$$

$$\frac{(a+x)^2-y^2}{(a+x)-y} =$$

$$\frac{1+x^{11}}{x+1} =$$

$$\frac{x^{40}-y^{40}}{x^8-y^8} =$$

$$\frac{9-36x^6}{3+6x^3} =$$

$$\frac{x^8-256}{x-2} =$$

$$4-a$$

$$x^2-1$$

$$3-6x^3$$

$$x^3-7y^3$$

$$a+x+y$$

$$1-ab^2c^4$$

$$a^2-a+1$$

$$4xy^2-m^3$$

$$a^2b^2-8x^3$$

$$x^8+x^4+1$$

$$a^{18}-a^9y^9+y^{18}$$

$$x^4+3x^2y+9y^2$$

$$4m^2-2mn^2+n^4$$

$$a^4+a^3+a^2+a+1$$

$$16x^4+28x^2y^3+49y^6$$

$$x^{32}+x^{24}y^8+x^{16}y^{16}+x^8y^{24}+y^{32}$$

$$a^{15}-a^{12}b^3+a^9b^6-a^6b^9+a^3b^{12}-b^{15}$$

$$16x^4-24x^3y+36x^2y^2-54xy^3+81y^4$$

$$a^{12}+a^{10}b^2+a^8b^4+a^6b^6+a^4b^8+a^2b^{10}+b^{12}$$

$$x^7+2x^6+4x^5+8x^4+16x^3+32x^2+64x+128$$

$$x^{10}-x^9+x^8-x^7+x^6-x^5+x^4-x^3+x^2-x+1$$

$$x^{24}-x^{21}y^3+x^{18}y^6-x^{15}y^9+x^{12}y^{12}-x^9y^{15}+x^6y^{18}-x^3y^{21}+y^{24}$$

Caso 1

Este caso se produce cuando n es un número par o impar.

$$\frac{x^n-y^n}{x-y} = x^{n-1} + x^{n-2}y + x^{n-3}y^2 + \dots + y^{n-1}$$

Caso 2

Este caso se produce cuando n es un número par.

$$\frac{x^n-y^n}{x+y} = x^{n-1} - x^{n-2}y + x^{n-3}y^2 - \dots + y^{n-1}$$

Caso 3

Este caso se produce cuando n es un número impar.

$$\frac{x^n+y^n}{x+y} = x^{n-1} - x^{n-2}y + x^{n-3}y^2 - \dots + y^{n-1}$$