**INSTITUCIÓN EDUCATIVA TÉCNICA LA SAGRADA FAMILIA**

**AREA DE MATEMÁTICAS ALGEBRA GRADO 8 PERÍODO 2**

**TALLER SUMA Y RESTA DE POLINOMIOS:**

Completar las siguientes tablas:

|  |  |  |
| --- | --- | --- |
| **Sumando** | **Sumando**  | **Suma** |
|  | $$x^{2}-3x$$ | $$5x^{2}-2x+1$$ |
| $$\frac{5}{2}x^{2}-\frac{8}{3}y^{3}$$ |  | $$\frac{1}{4}x^{2}-\frac{13}{6}y^{3}+\frac{11}{4}$$ |
| $$x^{2}-6x^{2}+5$$ | $$x^{3}-2x+5$$ |  |
| $$2,3x^{4}-0,6x^{3}+5,2x^{2}-3,8x+0,4$$ |  | $$0,1x^{4}-6,3x^{2}+5,6$$ |
|  | $$wx+wy-xz+3yz$$ | $$2wx+3wy-4xz+5ax+3yz$$ |
| $$ab^{2}+3a^{2}+4b^{2}+5a^{2}b$$ | $$ab^{2}+3a^{2}+4b^{2}+5a^{2}b$$ |  |
| $$\frac{2}{3}mn^{3}+7m^{2}-\frac{3}{5}n^{2}$$ |  | $$\frac{21}{13}mn^{3}+\frac{2}{61}m^{2}-2n^{2}$$ |

**RECORDAR:**

**M – S = D**

**M – D = S**

**M = D + S**

|  |  |  |
| --- | --- | --- |
| **Minuendo** | **Sustraendo** | **Diferencia** |
| $$-8a-9b+6a^{2}-3b^{2}$$ |  | $$-3,5a+4,6b+3,2a^{2}-b^{2}$$ |
| $$3x+2y-5z$$ | $$6x-4y+9z$$ |  |
|  | $$-\frac{1}{2}a^{3}+\frac{1}{3}a^{2}x+\frac{1}{4}ax^{2}$$ | $$a^{3}-2a^{2}x+ax^{2}-x^{3}$$ |
|  | $$0,5x^{2}y-0,3xy^{2}+x^{3}$$ | $$-1,5xy^{2}-2,5x^{2}y+y^{3}$$ |
| $$a-b+c$$ |  | $$-a+b+c$$ |
| $$\frac{4}{3}x+\frac{2}{3}y-\frac{5}{6}z$$ | $$-\frac{2}{3}x+\frac{2}{9}y+\frac{8}{13}z$$ |  |
|  | $$6t^{4}+6st^{3}+5s^{2}t^{4}$$ | $$st^{4}-s^{2}t^{3}$$ |
| $$\frac{3}{4}y+4xz-\frac{5}{2}z$$ |  | $$\frac{3}{7}y+9xz-\frac{50}{9}z$$ |