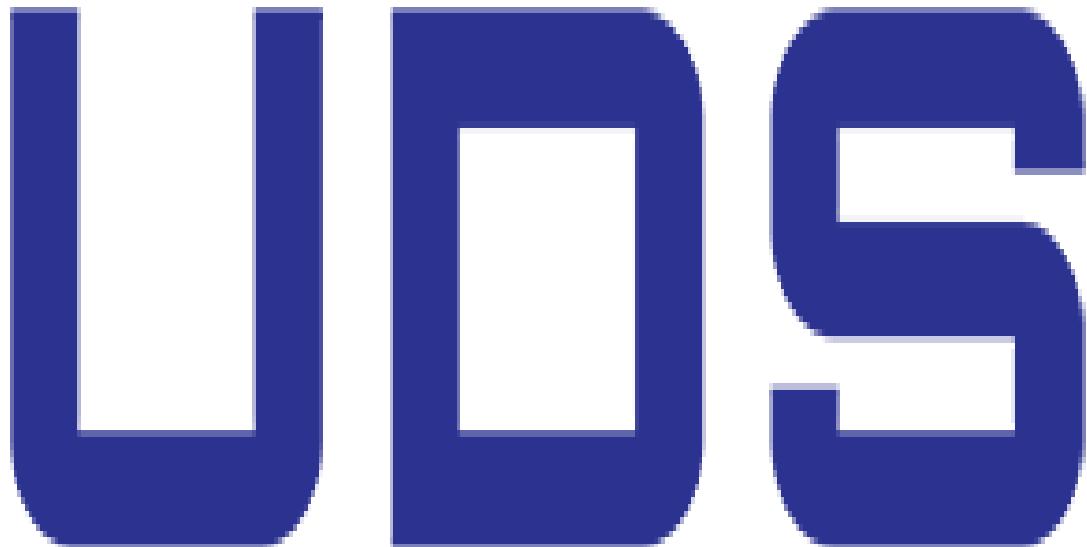**NOMBRE DE LA ESCUELA : UDS**

**NOMBRE DEL ALUMNO: KEVIN GARCIA RANGEL**

**NOMBRE  DEL PROFE: JUAN JOSE OJEDA TRUJILLO**

**GRADO: 1 SEMESTRE    GRADO:  D5**

**UDS**

$4(x^6 + 5x^4 + 3x^2 - 2x) \div (x^2 - 13)$

$$x^2 - x + 3 \, \overline{\smash{)}\, x^6 + 0x + 5x^4 + 3x^3 - 2x + 0}$$

$$\frac{x^4 + 6 + 3x - 6}{}$$

$-5 + 5 - 3x^4$

$x^5 + 2x^4 + 0x^3$

$x^5 + x^4 + 6 - x$

$3x^4 - 3x^3 + 3x$

$-3x^4 + 6x^3 + 9x$

$6x - 2x + 10$

$6x = -6x + 18$

$8x + 18$

$B = x^4 + x^3 + 3x^2 - 6 + \left(\dfrac{-8 + 18}{x^2 - 13}\right)$

5

Son Repetidos
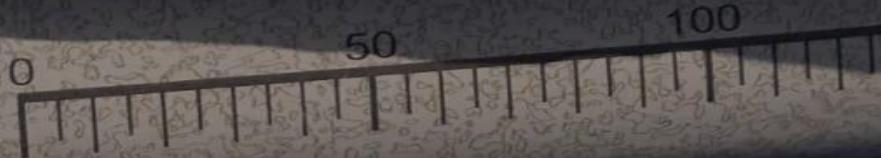
6

$7 (2x^4 - 2x^3 + 3x^2 + 5x + 10) \div (x + 2)$

$$x + 2 \, \overline{\smash{)}\, 2x^4 - 2x^3 + 3x^2 + 5x + 10}$$

$2x^4 - 4x^3$

$-6x^3 + 3x^3$

$6x^3 + 12x^2$

$15x + 5x$

$15x + 30x$

$35 + 100$

$35 + 70$

$-60$

$B = 2x^3 - 6x^2 + 15x + 35 \left(\dfrac{-60}{x + 2}\right)$

$1 (3a+5a^2-4) \div (30)$

$\frac{3a^3}{3a} + \frac{5a^2}{3a} - \frac{4}{30}$

$R = a^2 + 2a - a$

$2 (\frac{2}{3}a^2 \frac{1}{4}a_2 b^4 + \frac{5}{6}ab^4 - 2) \div (\frac{1}{2}ab^2)$

$2/3ab^2 - 1/4ab^4 + 5/6ab^4 - 2/565$
$1/2ab^2 - 1/2ab^2 + -1/2ab^2 - 1/2ab^2$

$-3/4ab + \frac{2}{4}ab^2 - \frac{10}{6}ab^2 + 4/5ab^3$

$R = -3/4a + \frac{1}{2}ab^2 - 5/3b2 + ab3$

$3 (x^4 - 2x^3 - 11x^2 + 30x - 20) \div (x^2 + 3x - 2)$

$$x^2 + 3x - 2 \overline{\smash{\big)}\, \begin{array}{l} x^2 - 5x + 6 \\ x^4 - 2x^3 - 4x^2 + 30x - 20 \\ \underline{x^4 - 3x^3 - 2x^2} \\ -5 \quad 9x^2 + 30x - \\ \underline{+5x^3 + 15x - 10t} \\ \quad -6x^2 + 20x - 20 \\ \quad \underline{-6x^3 - 18x + 12} \\ \quad 2t - 8 \end{array}}$$

$B = x^2 + 5x + 6 + (\frac{2t-8}{x^2+3x^2})$

$$B(x^{10} - 1024 \div (x+2)$$

$$x+2 \overline{\smash{\big)}\, x^{10} - 1024}$$
$$\underline{x^{10} - 18x^9}$$
$$-1042x^9$$

$$9(x^3 5x - 1) \div ) x - 3)$$

$$x-3 \overline{\smash{\big)}\, x^3 + 0x^2 - 5x - 1}$$
$$\underline{x^3 + 3x^2}$$
$$3x^2 - 5x$$
$$\underline{3x^2 + 6x}$$
$$x - 1$$
$$x + 3$$

$$B = x^2 + 3x + 1 + \left( \frac{2}{x+5} \right)$$

$u := 5$

$10(\beta 5 + u)$

$\beta = \beta = \dfrac{20k}{5} + \dfrac{u}{v}^5$

11 $(a^3 b^4 c^2 d^5)^6$

$\beta = a^{18} b^{24} c^{12} d^{30}$

12 $-3x^6 y^3 z)(-3x^6 y^3 z^2)$

$\beta = 9 x^{12} y^6 z^4$

13 $\dfrac{2}{5} a^3 b^3 - 2a^2 b^3 - 6abz$

$\dfrac{3}{5} a^3 b^3 - 2a^2 b^3 - 6 a b^2$

14 $3x^3 + 2y)(3x^3 + 2y^3)$

$9x^6 + 12 x^3 y^3 + 4y^5$

15 $\dfrac{2}{6} a^3 + \dfrac{1}{3} b^2)(\dfrac{2}{6} a^3 + \dfrac{1}{3} b^2)$

$\dfrac{1}{9} a^6 + \dfrac{2}{9} a^3 b^2 + \dfrac{1}{3} b^4$