

## Tarea 5

①  $4x^3 - 5x^2 - 28x + 35$

$4x(x^2 - 7) - 5(x^2 - 7) = \underline{(x^2 - 7)(4x - 5)}$

②  $6v^2 + 70v + 72$   
 $(v + 1) \begin{array}{r} 6 \\ 36 \\ 36 \\ 18 \\ 72 \end{array} \quad \begin{array}{r} 2 \\ 2 \\ 36 \\ 18 \\ 72 \end{array}$   
 $(6v + 72) = \underline{(v + 1) 6(v + 12)}$

③  $72x^3y - 2xy^3$   
 $2xy(36x^2 - y^2) = 2xy \underline{(6x - y)(6x + y)}$

④  $4z^2 - 12z - 7$   
 $(2z + 1) \begin{array}{r} 2 \\ 4 \\ 2 \\ 2 \end{array} \quad \begin{array}{r} 1 \\ 2 \\ 7 \end{array}$   
 $(2z - 7)$

⑤  $4y^3 + 7y^2 + 8y + 14$

$y^2(4y + 7) + 2(4y + 7) = \underline{(y^2 + 2)(4y + 7)}$

⑥  $81 - 25x^2$   
 $(9 \pm 5x) = \underline{(9 + 5x)(9 - 5x)}$

⑦  $v^2x - 6v^2 - 7x - 42$

$v^2(x - 6) - 7(x - 6) = \underline{(v^2 - 7)(x - 6)}$

⑧  $72x^3 - 50x$   
 $2x(36x^2 - 25) = \underline{2x(6x - 5)(6x + 5)}$



Arellano Granados Angel Mariano 23/3/21

9. 
$$\begin{pmatrix} 2 & 1 & 2 & -3 & 7 & 0 \\ 3 & 2 & - & 4 & & \\ 7 & 2 & - & 3 & & \end{pmatrix} + 12 \begin{pmatrix} 1 & 3 & 1 & 2 & 4 \\ 2 & 1 & 7 & 12 & 6 & 3 \end{pmatrix}$$

10.  $y^2 - 8y + 16$  TCP  
 $(y - 4)^2$

11.  $4(2x+5)^2(4x-7) - (2x+5)(4x-7)^2$   
 $(2x+5)(4x-7)[4(2x+5) - 4x + 7]$   
 $" \quad " \quad " \quad 8x + 20 "$   
 $" \quad " \quad " \quad 4x + 27 =$   
 $(2x+5)(4x-7)(4x+27)$

12.  $x^2 - 10xy + 16y^2$

$(x - 2y)$	1	2	4
$(x - 8y)$	16	8	4

---

$(x - 2y)(x - 8y)$