solucio taller

2)

$2x(3x+5)$

$(2x)(3x)$

$6x^2 + 10x$

$4xy(2x-5y)$

$8x^2y - 20xy^2$

$-5z(-x+y)$

$5zx - 5zy$

$3xyz(x^2+4)$

$-3x^6yz - 12xyz$

$21x^2y^2(xy - xy^3)$

$(xy)^2 = x^2y^2$

$\frac{7}{5}y^2z\left(-\frac{2}{3}y^2x - 9\right)$

$\frac{7y^2x(2y^2x+27)}{15}$

3)

$(a-b)(a+b)$

$a-b$

$a+b$

$ab-b^2$

a^2-ab

$a+0-b^2 = a^2-b^2$

$(2x+5)(x^2+x)$

$2x+5$

x^2+x

$2x^3+5x$

$(m^2+n^2)(m^2-n^2)$

m^2+n^3

m^2-n^2

m^4-n^4

$(3x^{2y}-z^2)(2xyz^2-5x^3y^2)$

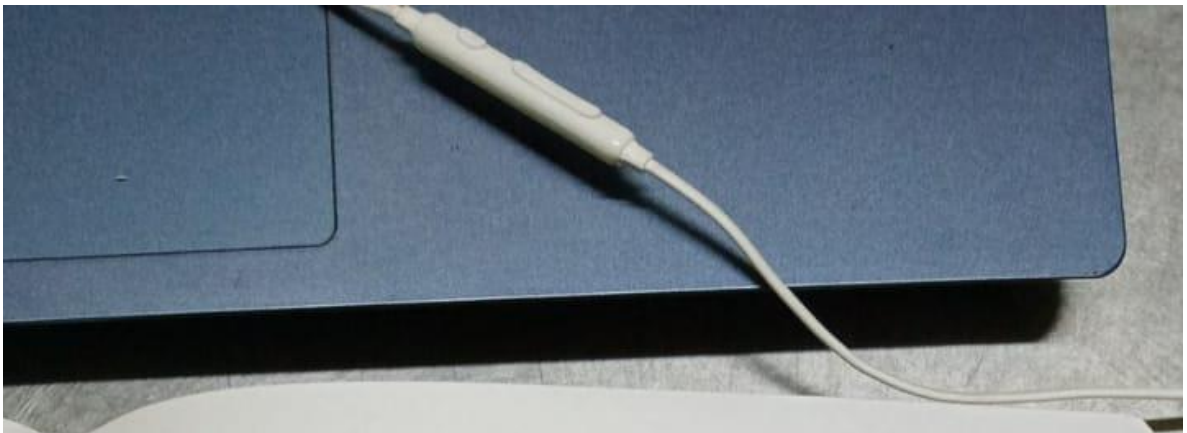
$3x^{2y}\cdot 2xyz^2+3x^{2y}$

$(-5x^3y^2)-z^2\cdot 2xyz-z^2$

$(-5x^3y^2)$

$= 6x^{2y+1}yz^2-15x^{2y+3}y^2$

$-2xyz^4+5z^2x^3y^2$



4)

$-2x-[3x(5x+2)]$

$-2x-[15x^2+6x]$

$-2-15x^2-6$

$-8x-15x^2$

$-5y-[(7y-16y-4)]$

$7y-1$

$6y-4$

$-28+4$

$42y^2-6y$

$42y^2-34y+4$

$[(m+n)(m+n)]-[(m^2+2mn+n^2]$

$[m^2+2mn+n^2]-[(m^2+m^2+2mn+n^2)]$

$=0$

$-5y-(42y^2-34y+4)$

$-42y^2+29y-4$

$m^2-\{3[(m-n)(n-m)]\}-n^2$

$m^2-\{3\cdot[-(m-n)^2]\}-n^2$

$m^2-\{3\cdot(-m^2+2mn-n^2)\}-n^2$

$(4m^2-6$