

2] Divide $(42x^6 - 28x^3 - 9x^3y - 15y^2 + 6 + 20y)$ by $(7x^3 - 5y)$. (10 pts.)

3] Subtract $2x^m + x^{2m}y^{2m} + 2y^{4m}$ from the product of $(x^{2m} - 4x^m y^m + 2y^{2m})$ and $(2x^{2m} + x^m y^m + y^{2m})$. (10 pts.)

III. Factor completely: (10 pts. each)

1] $3a^{9+n} - 21a^{6+n}b^3 - 24a^{3+n}b^6$

2] $24x^2 + 72xy - 26x - 39y + 54y^2 - 5$

3] $x^4 - 46x^2y^4 + 81y^8$

4] $4ab + 12xy - 4b^2 + 9y^2 + 4x^2 - a^2$

5] $a^3y - a^2x(1+y) + ax^2(1+xy) - x^4$

God bless !!!