Which of the following is the Quotient of $-3x^6+18x^4-2x^3-27x^2+6x+12$ divided by $(-x-2)(1-x)^2$ $\left| (-x-2) (1-x)^2 \right| (-3) x^6 + (18) x^4 + (-2) x^3 + (-27) x^2 + (6) x + (12)$ $+ (9) x^4 + (4) x^3 + (-27) x^2 + (6) x + (12)$ $+((-27 x^2)) + ((18 x))$

Coefficient list:

 $\{3, 0, -9, -4\}$