2.

Which of the following is the Quotient of $-3p^6 - 3p^5 + 21p^4 + 13p^3 - 43p^2 - 7p + 31$ divided by $(-p-1)(1-p)^2$

				+ (3 p^3)	+ (6 p^2)	+ (−12 p)	+ (−22)
$(-p-1)(1-p)^2$	$(-3)p^6$	$+(-3)p^5$	$+(21)p^4$	$+(13)p^3$	$+(-43)p^2$	$+(-7)p$	$+(31)$
	$(-3p^6)$	$+(3p^5)$	$+(3p^4)$	$+(-3p^3)$			
		$+(-6)p^5$	$+(18)p^4$	$+(16)p^3$	$+(-43)p^2$	$+(-7)p$	$+(31)$
		$+(-6p^5)$	$+(6p^4)$	$+(6p^3)$	$+(-6p^2)$		
			$+(12)p^4$	$+(10)p^3$	$+(-37)p^2$	$+(-7)p$	$+(31)$
			$+(12p^4)$	$+(-12p^3)$	$+(-12p^2)$	$+(12p)$	
				$+(22)p^3$	$+(-25)p^2$	$+(-19)p$	$+(31)$
				$+(22p^3)$	$+(-22p^2)$	$+(-22p)$	$+(22)$
					$+(-3p^2)$	$+(3p)$	$+(9)$

Coefficient list:

{3, 6, −12, −22}