4.

Which of the following is the Quotient of $-3r^6 + 9r^5 + 9r^4 - 47r^3 + 21r^2 + 39r - 30$ divided by $(-r-2)(1-r)^2$

			$+ (\boxed{3r^3})$		$+ (\boxed{-9r^2})$			$+ (\boxed{14})$
$\boxed{(-r-2)(1-r)^2}$	$(-3)r^6$	$+(9)r^5$	$+(9)r^4$	$+(-47)r^3$	$+(21)r^2$	$+(39)r$	$+(-30)$
	$(\boxed{-3r^6})$		$+(\boxed{9r^4})$	$+(\boxed{-6r^3})$			
		$+(9)r^5$		$+(-41)r^3$	$+(21)r^2$	$+(39)r$	$+(-30)$
		$+(\boxed{9r^5})$		$+(\boxed{-27r^3})$	$+(\boxed{18r^2})$		
				$+(-14)r^3$	$+(3)r^2$	$+(39)r$	$+(-30)$
				$+(\boxed{-14r^3})$		$+(\boxed{42r})$	$+(\boxed{-28})$
					$+(\boxed{3r^2})$	$+(\boxed{-3r})$	$+(\boxed{-2})$

Coefficient list:
{3, -9, 0, 14}