

5.

Which of the following is the Quotient of $-3x^6 + 3x^5 + 9x^4 - 5x^3 - 5x^2 + x + 1$ divided by $(-x - 1)^2(1 - x)$

				$+ (3x^3)$	$+ (-6x^2)$		$+ (2)$
$(-x - 1)^2(1 - x)$	$(-3)x^6$	$+ (3)x^5$	$+ (9)x^4$	$+ (-5)x^3$	$+ (-5)x^2$	$+ (1)x$	$+ (1)$
	$(-3x^6)$	$+ (-3x^5)$	$+ (3x^4)$	$+ (3x^3)$			
		$+ (6)x^5$	$+ (6)x^4$	$+ (-8)x^3$	$+ (-5)x^2$	$+ (1)x$	$+ (1)$
		$+ (6x^5)$	$+ (6x^4)$	$+ (-6x^3)$	$+ (-6x^2)$		
				$+ (-2)x^3$	$+ (1)x^2$	$+ (1)x$	$+ (1)$
				$+ (-2x^3)$	$+ (-2x^2)$	$+ (2x)$	$+ (2)$
					$+ (3x^2)$	$+ (-x)$	$+ (-1)$

Coefficient list:

$\{3, -6, 0, 2\}$