

3.

Which of the following is the Quotient of  $-3p^6 + 9p^5 + 3p^4 - 23p^3 + 3p^2 + 3p + 4$  divided by  $(1-p)(2-p)^2$

				$+(3p^3)$	$+(6p^2)$	$+(3p)$	$+(2)$
$(1-p)(2-p)^2$	$(-3)p^6$	$+(9)p^5$	$+(3)p^4$	$+( -23)p^3$	$+(3)p^2$	$+(3)p$	$+(4)$
	$(-3p^6)$	$+(15p^5)$	$+( -24p^4)$	$+(12p^3)$			
		$+( -6)p^5$	$+(27)p^4$	$+( -35)p^3$	$+(3)p^2$	$+(3)p$	$+(4)$
		$+( -6p^5)$	$+(30p^4)$	$+( -48p^3)$	$+(24p^2)$		
			$+( -3)p^4$	$+(13)p^3$	$+( -21)p^2$	$+(3)p$	$+(4)$
			$+( -3p^4)$	$+(15p^3)$	$+( -24p^2)$	$+(12p)$	
				$+( -2)p^3$	$+(3)p^2$	$+( -9)p$	$+(4)$
				$+( -2p^3)$	$+(10p^2)$	$+( -16p)$	$+(8)$
					$+( -7p^2)$	$+(7p)$	$+( -4)$

Coefficient list:

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