

3.

Which of the following is the Quotient of $-3b^6 + 3b^5 + 24b^4 - 26b^3 - 47b^2 + 36b + 4$ divided by $(1-b)(2-b)^2$

				$+(3b^3)$	$+(12b^2)$	$+(12b)$	$+(2)$
$(1-b)(2-b)^2$	$(-3)b^6$	$+(3)b^5$	$+(24)b^4$	$+(-26)b^3$	$+(-47)b^2$	$+(36)b$	$+(4)$
	$(-3b^6)$	$+(15b^5)$	$+(-24b^4)$	$+(12b^3)$			
		$+(-12)b^5$	$+(48)b^4$	$+(-38)b^3$	$+(-47)b^2$	$+(36)b$	$+(4)$
		$+(-12b^5)$	$+(60b^4)$	$+(-96b^3)$	$+(48b^2)$		
			$+(-12)b^4$	$+(58)b^3$	$+(-95)b^2$	$+(36)b$	$+(4)$
			$+(-12b^4)$	$+(60b^3)$	$+(-96b^2)$	$+(48b)$	
				$+(-2)b^3$	$+(1)b^2$	$+(-12)b$	$+(4)$
				$+(-2b^3)$	$+(10b^2)$	$+(-16b)$	$+(8)$
					$+(-9b^2)$	$+(4b)$	$+(-4)$

Coefficient list:

$\{3, 12, 12, 2\}$