

1.

Which of the following is the Quotient of $-3b^6 + 6b^5 + 6b^4 - 14b^3 - b^2 + 2$ divided by $(1-b)^2(2-b)$

				$+(3b^3)$	$+(6b^2)$	$+(3b)$	$+(2)$
$(1-b)^2(2-b)$	$(-3)b^6$	$+(6)b^5$	$+(6)b^4$	$+(-14)b^3$	$+(-1)b^2$		$+(2)$
	$(-3b^6)$	$+(12b^5)$	$+(-15b^4)$	$+(6b^3)$			
		$+(-6)b^5$	$+(21)b^4$	$+(-20)b^3$	$+(-1)b^2$		$+(2)$
		$+(-6b^5)$	$+(24b^4)$	$+(-30b^3)$	$+(12b^2)$		
			$+(-3)b^4$	$+(10)b^3$	$+(-13)b^2$		$+(2)$
			$+(-3b^4)$	$+(12b^3)$	$+(-15b^2)$	$+(6b)$	
				$+(-2)b^3$	$+(2)b^2$	$+(-6)b$	$+(2)$
				$+(-2b^3)$	$+(8b^2)$	$+(-10b)$	$+(4)$
					$+(-6b^2)$	$+(4b)$	$+(-2)$

Coefficient list:

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