

5.

Which of the following is the Quotient of $-3q^6 + 21q^4 - 8q^3 - 36q^2 + 15q + 2$ divided by $(1-q)^2(2-q)$

				$+ (3q^3)$	$+ (12q^2)$	$+ (12q)$	$+ (2)$
$(1-q)^2(2-q)$	$(-3)q^6$	$+ (21)q^4$	$+ (-8)q^3$	$+ (-36)q^2$	$+ (15)q$	$+ (2)$	
	$(-3q^6)$	$+ (12q^5)$	$+ (-15q^4)$	$+ (6q^3)$			
		$+ (-12)q^5$	$+ (36)q^4$	$+ (-14)q^3$	$+ (-36)q^2$	$+ (15)q$	$+ (2)$
		$+ (-12)q^5$	$+ (48)q^4$	$+ (-60)q^3$	$+ (24)q^2$		
			$+ (-12)q^4$	$+ (46)q^3$	$+ (-60)q^2$	$+ (15)q$	$+ (2)$
			$+ (-12)q^4$	$+ (48)q^3$	$+ (-60)q^2$	$+ (24)q$	
				$+ (-2)q^3$		$+ (-9)q$	$+ (2)$
				$+ (-2)q^3$	$+ (8q^2)$	$+ (-10q)$	$+ (4)$
					$+ (-8q^2)$	$+ (q)$	$+ (-2)$

Coefficient list:

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