

2.

Which of the following is the Quotient of $-3d^6 + 9d^5 + 6d^4 - 38d^3 + 27d^2 - 8d + 4$ divided by $(1-d)(2-d)^2$

				$+ (3d^3)$	$+ (6d^2)$		$+ (2)$
$(1-d)(2-d)^2$	$(-3)d^6$	$+ (9)d^5$	$+ (6)d^4$	$+ (-38)d^3$	$+ (27)d^2$	$+ (-8)d$	$+ (4)$
	$(-3d^6)$	$+ (15d^5)$	$+ (-24d^4)$	$+ (12d^3)$			
		$+ (-6)d^5$	$+ (30)d^4$	$+ (-50)d^3$	$+ (27)d^2$	$+ (-8)d$	$+ (4)$
		$+ (-6d^5)$	$+ (30d^4)$	$+ (-48d^3)$	$+ (24d^2)$		
				$+ (-2)d^3$	$+ (3)d^2$	$+ (-8)d$	$+ (4)$
				$+ (-2d^3)$	$+ (10d^2)$	$+ (-16d)$	$+ (8)$
					$+ (-7d^2)$	$+ (8d)$	$+ (-4)$

Coefficient list:

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