3.

Which of the following is the Quotient of $-3d^6 - 9d^5 + 9d^4 + 43d^3 + 15d^2 - 31d - 15$ divided by $(-d-2)^2(2-d)$

				$(3d^3)$	$(3d^2)$	$(-3d)$	(-1)
$(-d-2)^2(2-d)$	$(-3)d^6$	$+(-9)d^5$	$+(9)d^4$	$+(43)d^3$	$+(15)d^2$	$+(-31)d$	$+(-15)$
	$(-3d^6)$	$+(-6d^5)$	$+(12d^4)$	$+(24d^3)$			
		$+(-3)d^5$	$+(-3)d^4$	$+(19)d^3$	$+(15)d^2$	$+(-31)d$	$+(-15)$
		$+(-3d^5)$	$+(-6d^4)$	$+(12d^3)$	$+(24d^2)$		
			$+(3)d^4$	$+(7)d^3$	$+(-9)d^2$	$+(-31)d$	$+(-15)$
			$+(3d^4)$	$+(6d^3)$	$+(-12d^2)$	$+(-24d)$	
				$+(1)d^3$	$+(3)d^2$	$+(-7)d$	$+(-15)$
				$+(d^3)$	$+(2d^2)$	$+(-4d)$	$+(-8)$
					$+(d^2)$	$+(-3d)$	$+(-7)$

Coefficient list:
$\{3, 3, -3, -1\}$