2.

Which of the following is the Quotient of $-3y^6 - 9y^5 + 6y^4 + 34y^3 + 21y^2 - 8y - 4$ divided by $(-y-2)^2(-y-1)$

				$+(3y^3)$	$+(-6y^2)$		$+(2)$
$(-y-2)^2(-y-1)$	$(-3)y^6$	$+(-9)y^5$	$+(6)y^4$	$+(34)y^3$	$+(21)y^2$	$+(-8)y$	$+(-4)$
	$(-3y^6)$	$+(-15y^5)$	$+(-24y^4)$	$+(-12y^3)$			
		$+(6)y^5$	$+(30)y^4$	$+(46)y^3$	$+(21)y^2$	$+(-8)y$	$+(-4)$
		$+(6y^5)$	$+(30y^4)$	$+(48y^3)$	$+(24y^2)$		
				$+(-2)y^3$	$+(-3)y^2$	$+(-8)y$	$+(-4)$
				$+(-2y^3)$	$+(-10y^2)$	$+(-16y)$	$+(-8)$
					$+(7y^2)$	$+(8y)$	$+(4)$

Coefficient list:

{3, -6, 0, 2}