

2.

Which of the following is the Quotient of  $-3y^6 - 9y^5 + 3y^4 + 19y^3 - 3y^2 - 21y - 4$  divided by  $(-y - 2)^2(-y - 1)$

				$+ (3y^3)$	$+ (-6y^2)$	$+ (3y)$	$+ (2)$
$(-y - 2)^2(-y - 1)$	$(-3)y^6$	$+ (-9)y^5$	$+ (3)y^4$	$+ (19)y^3$	$+ (-3)y^2$	$+ (-21)y$	$+ (-4)$
	$(-3y^6)$	$+ (-15y^5)$	$+ (-24y^4)$	$+ (-12y^3)$			
		$+ (6)y^5$	$+ (27)y^4$	$+ (31)y^3$	$+ (-3)y^2$	$+ (-21)y$	$+ (-4)$
		$+ (6y^5)$	$+ (30y^4)$	$+ (48y^3)$	$+ (24y^2)$		
			$+ (-3)y^4$	$+ (-17)y^3$	$+ (-27)y^2$	$+ (-21)y$	$+ (-4)$
			$+ (-3y^4)$	$+ (-15y^3)$	$+ (-24y^2)$	$+ (-12y)$	
				$+ (-2)y^3$	$+ (-3)y^2$	$+ (-9)y$	$+ (-4)$
				$+ (-2y^3)$	$+ (-10y^2)$	$+ (-16y)$	$+ (-8)$
					$+ (7y^2)$	$+ (7y)$	$+ (4)$

Coefficient list:

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