

2.

Which of the following is the Quotient of  $-3k^6 - 12k^5 - 9k^4 + 10k^3 + 8k^2 - 8k - 4$  divided by  $(-k-2)^2(-k-1)$

				$+ (3k^3)$	$+ (-3k^2)$		$+ (2)$
$(-k-2)^2(-k-1)$	$(-3)k^6$	$+ (-12)k^5$	$+ (-9)k^4$	$+ (10)k^3$	$+ (8)k^2$	$+ (-8)k$	$+ (-4)$
	$(-3k^6)$	$+ (-15k^5)$	$+ (-24k^4)$	$+ (-12k^3)$			
		$+ (3)k^5$	$+ (15)k^4$	$+ (22)k^3$	$+ (8)k^2$	$+ (-8)k$	$+ (-4)$
		$+ (3k^5)$	$+ (15k^4)$	$+ (24k^3)$	$+ (12k^2)$		
				$+ (-2)k^3$	$+ (-4)k^2$	$+ (-8)k$	$+ (-4)$
				$+ (-2k^3)$	$+ (-10k^2)$	$+ (-16k)$	$+ (-8)$
					$+ (6k^2)$	$+ (8k)$	$+ (4)$

Coefficient list:

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