

2.

Which of the following is the Quotient of $-3m^6 - 9m^5 + 3m^4 + 19m^3 - 3m^2 - 15m - 1$ divided by $(-m - 1)(1 - m)^2$

				$+ (3m^3)$	$+ (12m^2)$	$+ (12m)$	$+ (2)$
$(-m - 1)(1 - m)^2$	$(-3)m^6$	$+ (-9)m^5$	$+ (3)m^4$	$+ (19)m^3$	$+ (-3)m^2$	$+ (-15)m$	$+ (-1)$
	$(-3m^6)$	$+ (3m^5)$	$+ (3m^4)$	$+ (-3m^3)$			
		$+ (-12)m^5$		$+ (22)m^3$	$+ (-3)m^2$	$+ (-15)m$	$+ (-1)$
		$+ (-12m^5)$	$+ (12m^4)$	$+ (12m^3)$	$+ (-12m^2)$		
			$+ (-12)m^4$	$+ (10)m^3$	$+ (9)m^2$	$+ (-15)m$	$+ (-1)$
			$+ (-12m^4)$	$+ (12m^3)$	$+ (12m^2)$	$+ (-12m)$	
				$+ (-2)m^3$	$+ (-3)m^2$	$+ (-3)m$	$+ (-1)$
				$+ (-2m^3)$	$+ (2m^2)$	$+ (2m)$	$+ (-2)$
					$+ (-5m^2)$	$+ (-5m)$	$+ (1)$

Coefficient list:

$\{3, 12, 12, 2\}$