

3.

Which of the following is the Quotient of  $-3g^6 + 18g^4 - 2g^3 - 27g^2 + 6g + 12$  divided by  $(-g - 1)^2(2 - g)$

			$+ (3g^3)$		$+ (-9g)$	$+ (8)$
$(-g - 1)^2(2 - g)$	$(-3)g^6$	$+ (18)g^4$	$+ (-2)g^3$	$+ (-27)g^2$	$+ (6)g$	$+ (12)$
	$(-3g^6)$	$+ (9g^4)$	$+ (6g^3)$			
		$+ (9)g^4$	$+ (-8)g^3$	$+ (-27)g^2$	$+ (6)g$	$+ (12)$
		$+ (9g^4)$		$+ (-27g^2)$	$+ (-18g)$	
			$+ (-8)g^3$		$+ (24)g$	$+ (12)$
			$+ (-8g^3)$		$+ (24g)$	$+ (16)$
						$+ (-4)$

Coefficient list:

$\{3, 0, -9, 8\}$