

3.

Which of the following is the Quotient of  $-3g^6 - 3g^5 + 21g^4 + 13g^3 - 43g^2 - 7g + 31$  divided by  $(-g - 2)^2(2 - g)$

				$+ (3g^3)$	$+ (-3g^2)$	$+ (-3g)$	$+ (5)$
$(-g - 2)^2(2 - g)$	$(-3)g^6$	$+ (-3)g^5$	$+ (21)g^4$	$+ (13)g^3$	$+ (-43)g^2$	$+ (-7)g$	$+ (31)$
	$(-3g^6)$	$+ (-6g^5)$	$+ (12g^4)$	$+ (24g^3)$			
		$+ (3)g^5$	$+ (9)g^4$	$+ (-11)g^3$	$+ (-43)g^2$	$+ (-7)g$	$+ (31)$
		$+ (3g^5)$	$+ (6g^4)$	$+ (-12g^3)$	$+ (-24g^2)$		
			$+ (3)g^4$	$+ (1)g^3$	$+ (-19)g^2$	$+ (-7)g$	$+ (31)$
			$+ (3g^4)$	$+ (6g^3)$	$+ (-12g^2)$	$+ (-24g)$	
				$+ (-5)g^3$	$+ (-7)g^2$	$+ (17)g$	$+ (31)$
				$+ (-5g^3)$	$+ (-10g^2)$	$+ (20g)$	$+ (40)$
					$+ (3g^2)$	$+ (-3g)$	$+ (-9)$

Coefficient list:

$\{3, -3, -3, 5\}$