

3.

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

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

Coefficient list:

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