

5.

Which of the following is the Quotient of $-3c^6 + 21c^4 - 8c^3 - 36c^2 + 27c + 8$ divided by $(-c - 2)^2(2 - c)$

				$+ (3c^3)$	$+ (-6c^2)$	$+ (3c)$	$+ (2)$
$(-c - 2)^2(2 - c)$	$(-3)c^6$	$+ (21)c^4$	$+ (-8)c^3$	$+ (-36)c^2$	$+ (27)c$	$+ (8)$	
	$(-3c^6)$	$+ (-6c^5)$	$+ (12c^4)$	$+ (24c^3)$			
		$+ (6)c^5$	$+ (9)c^4$	$+ (-32)c^3$	$+ (-36)c^2$	$+ (27)c$	$+ (8)$
		$+ (6c^5)$	$+ (12c^4)$	$+ (-24c^3)$	$+ (-48c^2)$		
			$+ (-3)c^4$	$+ (-8)c^3$	$+ (12)c^2$	$+ (27)c$	$+ (8)$
			$+ (-3c^4)$	$+ (-6c^3)$	$+ (12c^2)$	$+ (24c)$	
				$+ (-2)c^3$		$+ (3)c$	$+ (8)$
				$+ (-2c^3)$	$+ (-4c^2)$	$+ (8c)$	$+ (16)$
					$+ (4c^2)$	$+ (-5c)$	$+ (-8)$

Coefficient list:

$\{3, -6, 3, 2\}$