4.

Which of the following is the Quotient of $-3v^6 + 21v^4 - 8v^3 - 36v^2 + 27v + 8$ divided by $-(1-v)^2 v$

				$+(3v^3)$	$+(6v^2)$	$+(-12v)$	$+(-22)$
$-(1-v)^2 v$	$(-3)v^6$		$+(21)v^4$	$+(-8)v^3$	$+(-36)v^2$	$+(27)v$	$+(8)$
	$(-3v^6)$	$+(6v^5)$	$+(-3v^4)$				
		$+(-6)v^5$	$+(24)v^4$	$+(-8)v^3$	$+(-36)v^2$	$+(27)v$	$+(8)$
		$+(-6v^5)$	$+(12v^4)$	$+(-6v^3)$			
			$+(12)v^4$	$+(-2)v^3$	$+(-36)v^2$	$+(27)v$	$+(8)$
			$+(12v^4)$	$+(-24v^3)$	$+(12v^2)$		
				$+(22)v^3$	$+(-48)v^2$	$+(27)v$	$+(8)$
				$+(22v^3)$	$+(-44v^2)$	$+(22v)$	
					$+(-4v^2)$	$+(5v)$	$+(8)$

Coefficient list:
{3, 6, -12, -22}