4.

Which of the following is the Quotient of $-3w^6 + 27w^4 - 2w^3 - 72w^2 + 48$ divided by $(-w-2)^2(1-w)$

				$+ (\boxed{3w^3})$	$+ (\boxed{-9w^2})$	$+ (\boxed{14})$
$\boxed{(-w-2)^2(1-w)}$	$(-3)w^6$		$+(27)w^4$	$+(-2)w^3$	$+(-72)w^2$	$+(48)$
	$(\boxed{-3w^6})$	$+(\boxed{-9w^5})$		$+(\boxed{12w^3})$		
	$+(9)w^5$		$+(27)w^4$	$+(-14)w^3$	$+(-72)w^2$	$+(48)$
	$+(\boxed{9w^5})$		$+(\boxed{27w^4})$		$+(\boxed{-36w^2})$	
				$+(-14)w^3$	$+(-36)w^2$	$+(48)$
				$+(\boxed{-14w^3})$	$+(\boxed{-42w^2})$	$+(\boxed{56})$
					$+(\boxed{6w^2})$	$+(\boxed{-8})$

Coefficient list:

$\{3, -9, 0, 14\}$