3.

Which of the following is the Quotient of $-3p^6 + 9p^5 - 3p^4 - 11p^3 + 9p^2 - 5p + 2$ divided by $(1-p)^2(2-p)$

				$+(\boxed{3p^3})$	$+(\boxed{3p^2})$		$+(\boxed{2})$
$(1-p)^2(2-p)$	$(-3)p^6$	$+(9)p^5$	$+(-3)p^4$	$+(-11)p^3$	$+(9)p^2$	$+(-5)p$	$+(2)$
	$(\boxed{-3p^6})$	$+(\boxed{12p^5})$	$+(\boxed{-15p^4})$	$+(\boxed{6p^3})$			
		$+(-3)p^5$	$+(12)p^4$	$+(-17)p^3$	$+(9)p^2$	$+(-5)p$	$+(2)$
		$+(\boxed{-3p^5})$	$+(\boxed{12p^4})$	$+(\boxed{-15p^3})$	$+(\boxed{6p^2})$		
				$+(-2)p^3$	$+(3)p^2$	$+(-5)p$	$+(2)$
				$+(\boxed{-2p^3})$	$+(\boxed{8p^2})$	$+(\boxed{-10p})$	$+(\boxed{4})$
					$+(\boxed{-5p^2})$	$+(\boxed{5p})$	$+(\boxed{-2})$

Coefficient list:
{3, 3, 0, 2}