2.

Which of the following is the Quotient of $-3y^6 - 6y^5 + 6y^4 + 10y^3 - 5y^2 - 4y - 2$ divided by $-(-y-1)^2 y$

$$+(3y^3) \qquad\qquad +(-9y) \quad +(8)$$

$-(-y-1)^2 y$	$(-3)y^6$	$+(-6)y^5$	$+(6)y^4$	$+(10)y^3$	$+(-5)y^2$	$+(-4)y$	$+(-2)$
	$(-3y^6)$	$+(-6y^5)$	$+(-3y^4)$				
			$+(9)y^4$	$+(10)y^3$	$+(-5)y^2$	$+(-4)y$	$+(-2)$
			$+(9y^4)$	$+(18y^3)$	$+(9y^2)$		
				$+(-8)y^3$	$+(-14)y^2$	$+(-4)y$	$+(-2)$
				$+(-8y^3)$	$+(-16y^2)$	$+(-8y)$	
					$+(2y^2)$	$+(4y)$	$+(-2)$

Coefficient list:
{3, 0, -9, 8}