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

$$(\underbrace{(-3 \, n^6)}) + (\underbrace{(9 \, n^4)}) + (\underbrace{(6 \, n^3)}) + (-11) \, n^3 + (-5) \, n^2 + (3) \, n + (2) + (\underbrace{(3 \, n^5)}) + (\underbrace{(-9 \, n^3)}) + (\underbrace{(-6 \, n^2)}) + (3) \, n + (2)$$

 $+(-2) n^3 + (1) n^2 + (3) n + (2)$ +(6n) + (4) $+((-2 n^3))$ 

$$+(-2)n + (1)n + (3)n + (2)$$
  
 $+(-2n^3) + (6n) + (4)$ 

+ ( -3 n ) + ( -2 )

Coefficient list:  $\{3, -3, 0, 2\}$