Which of the following is the Quotient of 
$$-3u^6 + 9u^5 - 3u^4 - 11u^3 + 9u^2 - 5u + 2$$
 divided by  $(-u - 1)u^2 + (3u^3) + (-12u^2) + (15u) + (-4) + (-4) + (-10u^2) + (-5)u + (-15)u^4 + (-15)u^4 + (-11)u^3 + (-5)u^4 + (-5)u + (-5)u + (-5)u + (-5)u + (-15)u^4 + (-15)u^4 + (-15)u^3 + (-15)u^4 + (-15)u^3 + (-15)u^4 + (-15)u^3 + (-15)u^4 + (-15)u^3 + (-15)u^4 + (-15)u^4 + (-15)u^3 + (-15)u^4 + (-15$ 

$$+ (4) u^{3} + (9) u^{2} + (-5) u + (2) + (4 u^{3}) + (4 u^{2})$$

$$+(4 u^{3})$$
  $+(4 u^{2})$   $+(5 u^{2})$   $+(-5 u)$   $+(2)$ 

Coefficient list:  $\{3, -12, 15, -4\}$