Which of the following is the Quotient of -3 n^6 + 21 n^4 - 8 n^3 - 36 n^2 + 15 n + 2 divided by - (-n - 2) 2 n $+ (| -12 \text{ n}^2 |) + (| 15 \text{ n} |) + (| -4 |)$ $-(-n-2)^2 n (-3) n^6$ $+ (21) n^4 + (-8) n^3 + (-36) n^2 + (15) n + (2)$ $+((-12 n^5)) + ((-12 n^4))$ $+ (33) n^4 + (-8) n^3 + (-36) n^2 + (15) n + (2)$ $+ ((48 \text{ n}^3))$ $+((12 n^5))$ + ((48 n⁴)) $+(-15) n^4 + (-56) n^3 + (-36) n^2 + (15) n + (2)$ $+((-15 n^4)) + ((-60 n^3)) + ((-60 n^2))$ $+ (4) n^3 + (24) n^2 + (15) n + (2)$ $+ ((16 \text{ n}^2))$ + ((16 n)) $+ (8 n^2)$ Coefficient list:

 $\{3, -12, 15, -4\}$