Which of the following is the Quotient of $-3 k^6 + 21 k^4 - 8 k^3 - 36 k^2 + 27 k + 8$ divided by $-(1-k)^2 k$ $+ (|6|k^2|)$ + (- 12 k) $-(1-k)^2 k (-3) k^6$ $+(21) k^4 + (-8) k^3 + (-36) k^2 + (27) k$ $+((-3 k^4))$ $+(-6) k^{5} + (24) k^{4} + (-8) k^{3} + (-36) k^{2} + (27) k + (8)$

$$+ (\underbrace{(-6 \, k^{5})}) + (\underbrace{(12 \, k^{4})}) + (\underbrace{(-6 \, k^{3})})$$

$$+ (12) \, k^{4} + (-2) \, k^{3} + (-36) \, k^{2} + (27) \, k + (8)$$

$$+ (\underbrace{(12 \, k^{4})}) + (\underbrace{(-24 \, k^{3})}) + (\underbrace{(12 \, k^{2})})$$

 $+ (22) k^3 + (-48) k^2 + (27) k$ + (8)

$$+ (22) k^{3} + (-48) k^{2} + (27) k + (8)$$

$$+ (22 k^{3}) + (-44 k^{2}) + (22 k)$$

 $+((22 k^3))$ $+((-44 k^2))$ +((22 k))

$$+(22 k^{3}) + (-44 k^{2}) + (22 k)$$

 $-4 k^2$ + (5 k)

Coefficient list:

 $\{3, 6, -12, -22\}$