Which of the following is the Quotient of $-3e^6+21e^4+4e^3-36e^2-21e-8$ divided by $(-e-2)(2-e)^2$ $(-e-2) (2-e)^2 (-3) e^6$ $+(21)e^{4}+(4)e^{3}+(-36)e^{2}+(-21)e+(-8)$ $((-3 e^6))$ $+((-24 e^3))$ $+((12 e^4))$ $+ (9) e^{4} + (28) e^{3} + (-36) e^{2} + (-21) e + (-8)$ $+((24 e^3))$ $+((12 e^4))$ $+((-48 e^2))$ $+ (-3) e^4 + (4) e^3 + (12) e^2$ +(-21)e + (-8)

$$+(\underbrace{-3 e^4}) + \underbrace{(6 e^3)} + \underbrace{(12 e^2)} + \underbrace{(-24 e)} + \underbrace{(-3) e^3} + \underbrace{(3) e} + \underbrace{(-8)}$$

$$+(-2)e^{3}$$
 $+(3)e$ $+(-8)$ $+((-2e^{3}))$ $+((4e^{2}))$ $+((8e))$ $+((-16))$

 $-4 e^{2}$

 ${3, 6, 3, 2}$

Coefficient list: