Which of the following is the Quotient of
$$-3e^6 - 12e^5 - 3e^4 + 40e^3 + 56e^2 + 23e + 2$$
 divided by $-(-e-2)^2e^4 + (9e^3) + (-9e^4) + (-9e^4) + (-9e^4) + (-9e^4) + (-9e^4) + (-9e^4) + (-12e^4) +$

$$+(\underbrace{(9 e^{4})}) +(\underbrace{(36 e^{3})}) +(\underbrace{(36 e^{2})}) +(\underbrace{(4) e^{3}} +(20) e^{2} +(23) e +(2)$$

$$+ (4) e^{3} + (20) e^{2} + (23) e + (2)$$

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

 $+((16 e^2))$ + ((16 e))

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

Coefficient list:

 $\{3, 0, -9, -4\}$