Which of the following is the Quotient of $-3 s^6 + 21 s^4 + 4 s^3 - 36 s^2 - 21 s - 8$ divided by $(-s - 2) (2 - s)^2$ $(-s-2) (2-s)^2 (-3) s^6$ $+(21) s^4 + (4) s^3 + (-36) s^2 + (-21) s + (-8)$ $((-3 s^6))$ $+((12 s^4)) + ((-24 s^3))$ $+(-6) s^{5} + (9) s^{4} + (28) s^{3} + (-36) s^{2} + (-21) s + (-8)$ $+((12 s^4)) + ((24 s^3))$ $+((-48 s^2))$ $+ \, (\, -3\,) \,\, s^{\, 4} \qquad + \, (\, 4\,) \,\, s^{\, 3} \qquad \qquad + \, (\, 12\,) \,\, s^{\, 2} \qquad \qquad + \, (\, -21\,) \,\, s \qquad + \, (\, -8\,)$ $+((-3 s^4)) + ((6 s^3))$ $+((12 s^2))$ +((-24 s))

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

$$+ (-2) \, s^3 + (\underbrace{3) \, s} + (-8)$$

$$+ (\underbrace{-2 \, s^3}) + (\underbrace{4 \, s^2}) + (\underbrace{8 \, s}) + (\underbrace{-16})$$

$$+(-2s^3)$$
 $+(4s^2)$ $+(8s)$ $+(-16)$

 $+(-4 s^2)$

 ${3, 6, 3, 2}$

Coefficient list: