

1.

Which of the following is the Quotient of $-3s^6 - 3s^5 + 9s^4 + s^3 - 7s^2 + 3s - 2$ divided by $(-s - 1)s^2$

$$\begin{array}{r}
 + (3s^3) + (-9s) + (8) \\
 \hline
 (-s-1)s^2 (-3)s^6 + (-3)s^5 + (9)s^4 + (1)s^3 + (-7)s^2 + (3)s + (-2) \\
 + (-3s^5) \\
 + (9)s^4 + (-7)s^2 + (-2) \\
 + (9s^4) + (9s^3) \\
 + (-8)s^3 + (3)s \\
 + (-8s^3) + (-8s^2) \\
 + (s^2) + (3s) \\
 + (-2)
 \end{array}$$

Coefficient list:

$\{3, 0, -9, 8\}$