

2.

Which of the following is the Quotient of $-3c^6 - 6c^5 + 6c^4 + 10c^3 - 5c^2 - 4c - 2$ divided by $(-c - 2)(1 - c)^2$

$$\begin{array}{r}
 + (3c^3) + (6c^2) + (3c) + (2) \\
 \hline
 (-c-2)(1-c)^2 \quad (-3)c^6 + (-6)c^5 + (6)c^4 + (10)c^3 + (-5)c^2 + (-4)c + (-2) \\
 (-3c^6) + (9c^4) + (-6c^3) \\
 + (-6)c^5 + (-3)c^4 + (16)c^3 + (-5)c^2 + (-4)c + (-2) \\
 + (-6c^5) + (18c^3) + (-12c^2) \\
 + (-3)c^4 + (-2)c^3 + (7)c^2 + (-4)c + (-2) \\
 + (-3c^4) + (9c^2) + (-6c) \\
 + (-2)c^3 + (-2)c^2 + (2)c + (-2) \\
 + (-2c^3) + (6c) + (-4) \\
 + (-2c^2) + (-4c) + (2)
 \end{array}$$

Coefficient list:

$\{3, 6, 3, 2\}$