

1.

Which of the following is the Quotient of $-3p^6 + 3p^5 + 18p^4 - 14p^3 - 23p^2 - 4$ divided by $(-p - 2)p^2$

$$\begin{array}{r}
 + (3p^3) + (-9p^2) + (14) \\
 \hline
 (-p-2)p^2 + (-14)p^3 + (-23)p^2 + (-4) \\
 (-3p^6) + (-6p^5) \\
 + (9)p^5 + (18)p^4 + (-14)p^3 + (-23)p^2 + (-4) \\
 + (9p^5) + (18p^4) \\
 + (-14)p^3 + (-23)p^2 + (-4) \\
 + (-14p^3) + (-28p^2) \\
 + (5p^2) + (-4)
 \end{array}$$

Coefficient list:

$\{3, -9, 0, 14\}$