

1.

Which of the following is the remainder of  $-2p^3 - 3p^2 + p - 3$  divided by  $p + 2$

$$\begin{array}{r}
 \phantom{p+2} + (-2p^2) + (p) + (-1) \\
 \hline
 p+2 \quad (-2)p^3 + (-3)p^2 + (1)p + (-3) \\
 \phantom{p+2} (-2p^3) + (-4p^2) \\
 \phantom{p+2} + (1)p^2 + (1)p + (-3) \\
 \phantom{p+2} + (p^2) + (2p) \\
 \phantom{p+2} + (-1)p + (-3) \\
 \phantom{p+2} + (-p) + (-2) \\
 \phantom{p+2} + (-1)
 \end{array}$$