

3.

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

$$\begin{array}{r}
 \phantom{p+2} + (2p^2) + (-2p) + (4) \\
 \hline
 p+2 \quad (2)p^3 + (2)p^2 + (-3) \\
 \phantom{p+2} (2p^3) + (4p^2) \\
 \phantom{p+2} + (-2)p^2 + (-3) \\
 \phantom{p+2} + (-2p^2) + (-4p) \\
 \phantom{p+2} \phantom{+ (-2p^2)} + (4p) + (-3) \\
 \phantom{p+2} \phantom{+ (-2p^2)} + (4p) + (8) \\
 \phantom{p+2} \phantom{+ (-2p^2)} + (-11)
 \end{array}$$