

5.

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

$$\begin{array}{r}
 + (2p^2) + (-7p) + (16) \\
 \hline
 p+2 \quad (2)p^3 + (-3)p^2 + (-2) \\
 (2p^3) + (4p^2) + (-7)p^2 + (2)p \\
 + (-7p^2) + (-14p) + (16)p \\
 + (16p) + (32) \\
 + (-34)
 \end{array}$$