

5.

Which of the following is the remainder of $3p^3 + 2p^2 + 2p + 2$ divided by $p - 1$

$$\begin{array}{r}
 + (3p^2) + (5p) + (7) \\
 \hline
 p-1 \quad (3)p^3 + (2)p^2 + (2)p + (2) \\
 (3p^3) + (-3p^2) \\
 + (5)p^2 + (2)p + (2) \\
 + (5p^2) + (-5p) \\
 + (7)p + (2) \\
 + (7p) + (-7) \\
 + (9)
 \end{array}$$