

5.

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

$$\begin{array}{r}
 + (3c^2) + (-4c) + (6) \\
 \hline
 (c+1) (3)c^3 + (-1)c^2 + (2)c + (2) \\
 (3c^3) + (3c^2) \\
 + (-4)c^2 + (2)c + (2) \\
 + (-4c^2) + (-4c) \\
 + (6)c + (2) \\
 + (6c) + (6) \\
 + (-4)
 \end{array}$$