

4.

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

$$\begin{array}{r}
 + (2g^2) + (-3g) + (8) \\
 \hline
 (g+3) (2g^3) + (3g^2) + (-1)g \\
 (2g^3) + (6g^2) \\
 + (-3)g^2 + (-1)g \\
 + (-3g^2) + (-9g) \\
 (8)g \\
 (8g) + (24) \\
 + (-24)
 \end{array}$$