

1.

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

$$\begin{array}{r}
 + (2k^2) + (7k) + (23) \\
 \hline
 k-3 \quad (2)k^3 + (1)k^2 + (2)k + (-1) \\
 (2k^3) + (-6k^2) \\
 + (7)k^2 + (2)k + (-1) \\
 + (7k^2) + (-21k) \\
 + (23)k + (-1) \\
 + (23k) + (-69) \\
 + (68)
 \end{array}$$