

2.

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

$$\begin{array}{r}
 + (3z^2) + (12z) + (33) \\
 \hline
 \boxed{z-3} (3)z^3 + (3)z^2 + (-3)z + (-1) \\
 + (3z^3) + (-9z^2) \\
 + (12)z^2 + (-3)z + (-1) \\
 + (12z^2) + (-36z) \\
 + (33)z + (-1) \\
 + (33z) + (-99) \\
 + (98)
 \end{array}$$