

5.

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

$$\begin{array}{r}
 + (3a^2) + (-a) + (-1) \\
 \hline
 a+1 \quad (3)a^3 + (2)a^2 + (-2)a + (-2) \\
 (3a^3) + (3a^2) \\
 + (-1)a^2 + (-2)a + (-2) \\
 + (-a^2) + (-a) \\
 + (-1)a + (-2) \\
 + (-a) + (-1) \\
 + (-1)
 \end{array}$$