4.

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

$$
\begin{array}{r|llll}
 & & +(\boxed{-3r^2}) & +(\boxed{2r}) & \\
\hline
\boxed{r+1} & (-3)r^3 & +(-1)r^2 & +(2)r & +(1) \\
 & (\boxed{-3r^3}) & +(\boxed{-3r^2}) & & \\
 & & +(2)r^2 & +(2)r & +(1) \\
 & & +(\boxed{2r^2}) & +(\boxed{2r}) & \\
 & & & & +(\boxed{1})
\end{array}
$$