2.

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

$$\begin{array}{c|cccc}
 & & +(\boxed{-r^2}) & +(\boxed{3r}) & +(\boxed{-3}) \\
\hline
\boxed{r+2} & (-1)r^3 & +(1)r^2 & +(3)r & +(-1) \\
 & (\boxed{-r^3}) & +(\boxed{-2r^2}) & & \\
 & & +(3)r^2 & +(3)r & +(-1) \\
 & & +(\boxed{3r^2}) & +(\boxed{6r}) & \\
 & & & +(-3)r & +(-1) \\
 & & & +(\boxed{-3r}) & +(\boxed{-6}) \\
 & & & & +(\boxed{5})
\end{array}$$