

5.

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

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