

4.

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

$$\begin{array}{r}
 \phantom{r-1} + (-3r^2) + (-4r) + (-2) \\
 \hline
 r-1 \quad (-3)r^3 + (-1)r^2 + (2)r + (-3) \\
 \phantom{r-1} + (-3r^3) + (3r^2) \\
 \phantom{r-1} + (-4)r^2 + (2)r + (-3) \\
 \phantom{r-1} + (-4r^2) + (4r) \\
 \phantom{r-1} + (-2)r + (2) \\
 \phantom{r-1} + (-5)
 \end{array}$$