

3.

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

$$\begin{array}{r}
 + (\boxed{-3k^2}) + (\boxed{3k}) + (\boxed{-6}) \\
 \hline
 \boxed{k+1} \quad (-3)k^3 + (-2) \\
 (\boxed{-3k^3}) + (\boxed{-3k^2}) \\
 + (\boxed{3})k^2 + (-3)k + (-2) \\
 + (\boxed{3k^2}) + (\boxed{3k}) \\
 + (-6)k + (-2) \\
 + (\boxed{-6k}) + (\boxed{-6}) \\
 + (\boxed{4})
 \end{array}$$