

4.

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

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