

3.

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

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