

5.

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

$$\begin{array}{r}
 \phantom{d-3} + (-d^2) \phantom{+ (-4d)} + (-13) \\
 \hline
 d-3 \quad (-1)d^3 + (-1)d^2 + (-1)d + (-3) \\
 \phantom{d-3} (-d^3) + (3d^2) \\
 \phantom{d-3} + (-4)d^2 + (-1)d + (-3) \\
 \phantom{d-3} + (-4d^2) + (12d) \\
 \phantom{d-3} + (-13)d + (-3) \\
 \phantom{d-3} + (-13d) + (39) \\
 \phantom{d-3} + (-42)
 \end{array}$$