4.

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

$$
\begin{array}{r|l}
 & \quad\quad +(\boxed{-d^2}) \quad +(\boxed{2d}) \quad +(\boxed{-3}) \\
\hline
\boxed{d+2} & (-1)d^3 \quad\quad\quad\quad +(1)d \quad +(2) \\
 & (-d^3) \quad +(-2d^2) \\
 & \quad\quad\quad +(2)d^2 \quad +(1)d \quad +(2) \\
 & \quad\quad\quad +(2d^2) \quad +(4d) \\
 & \quad\quad\quad\quad\quad\quad +(-3)d \quad +(2) \\
 & \quad\quad\quad\quad\quad\quad +(-3d) \quad +(-6) \\
 & \quad\quad\quad\quad\quad\quad\quad\quad\quad\quad +(8)
\end{array}
$$