

3.

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

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