

3.

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

$$\begin{array}{r}
 \phantom{d-3} + (3d^2) + (7d) + (24) \\
 \hline
 d-3 \quad (3)d^3 + (-2)d^2 + (3)d \\
 \phantom{d-3} (3d^3) + (-9d^2) \\
 \phantom{d-3} + (7)d^2 + (3)d \\
 \phantom{d-3} + (7d^2) + (-21d) \\
 \phantom{d-3} + (24)d \\
 \phantom{d-3} + (24d) + (-72) \\
 \phantom{d-3} + (72)
 \end{array}$$