

5.

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

$$\begin{array}{r}
 + (\boxed{p^2}) + (\boxed{3}) \\
 \hline
 \boxed{p-3} (1)p^3 + (-3)p^2 + (3)p + (1) \\
 (\textcircled{p^3}) + (\textcircled{-3p^2}) \\
 + (3)p + (1) \\
 + (\textcircled{3p}) + (\textcircled{-9}) \\
 + (\boxed{10})
 \end{array}$$