

5.

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

$$\begin{array}{r}
 + (-2g^2) + (-3g) + (-7) \\
 \hline
 g-3 \quad (-2)g^3 + (3)g^2 + (2)g + (3) \\
 + (-2g^3) + (6g^2) \\
 + (-3)g^2 + (2)g + (3) \\
 + (-3g^2) + (9g) \\
 + (-7)g + (3) \\
 + (-7g) + (21) \\
 + (-18)
 \end{array}$$