

5.

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

$$\begin{array}{r}
 \phantom{g-2} + (2g^2) \phantom{+ (7g)} + (14) \\
 \hline
 (g-2) \phantom{+ (2g^2)} + (3)g^2 \phantom{+ (7g)} + (-1) \\
 \phantom{(g-2)} + (2g^3) + (-4g^2) \\
 \phantom{(g-2)} + (7)g^2 \phantom{+ (7g)} + (-1) \\
 \phantom{(g-2)} + (7g^2) + (-14g) \\
 \phantom{(g-2)} \phantom{+ (7g^2)} + (14)g + (-1) \\
 \phantom{(g-2)} \phantom{+ (7g^2)} + (14g) + (-28) \\
 \phantom{(g-2)} \phantom{+ (7g^2)} \phantom{+ (14g)} + (27)
 \end{array}$$