3.

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

$$
\begin{array}{r}
-2g^2 + (-6g) + (-14) \\
g-2 \overline{\smash{)}\, (-2)g^3 + (-2)g^2 + (-2)g + (2)} \\
(-2g^3) + (4g^2) \\
+ (-6)g^2 + (-2)g + (2) \\
+ (-6g^2) + (12g) \\
+ (-14)g + (2) \\
+ (-14g) + (28) \\
+ (-26)
\end{array}
$$