

2.

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

$$\begin{array}{r}
 \phantom{g-2} + (-3g^2) + (-8g) + (-14) \\
 \hline
 g-2 \quad (-3)g^3 + (-2)g^2 + (2)g + (-3) \\
 \phantom{g-2} + (-3g^3) + (6g^2) \\
 \phantom{g-2} + (-8)g^2 + (2)g + (-3) \\
 \phantom{g-2} + (-8g^2) + (16g) \\
 \phantom{g-2} \phantom{+ (-8g^2)} + (-14)g + (-3) \\
 \phantom{g-2} \phantom{+ (-8g^2)} + (-14g) + (28) \\
 \phantom{g-2} \phantom{+ (-8g^2)} \phantom{+ (-14g)} + (-31)
 \end{array}$$