

3.

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

$$\begin{array}{r}
 \phantom{z-2} + (-2z^2) + (-6z) + (-9) \\
 \hline
 z-2 \quad (-2)z^3 + (-2)z^2 + (3)z + (-2) \\
 \phantom{z-2} + (-2z^3) + (4z^2) \\
 \phantom{z-2} + (-6)z^2 + (3)z + (-2) \\
 \phantom{z-2} + (-6z^2) + (12z) \\
 \phantom{z-2} + (-9)z + (-2) \\
 \phantom{z-2} + (-9z) + (18) \\
 \phantom{z-2} + (-20)
 \end{array}$$