

3.

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

$$\begin{array}{r}
 + (-3z^2) + (7z) + (-12) \\
 \hline
 (z+2) (-3)z^3 + (1)z^2 + (2)z + (-2) \\
 (-3z^3) + (-6z^2) \\
 + (7)z^2 + (2)z + (-2) \\
 + (7z^2) + (14z) \\
 + (-12)z + (-2) \\
 + (-12z) + (-24) \\
 + (22)
 \end{array}$$