

3.

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

$$\begin{array}{r}
 + (-3x^2) + (-5x) + (-8) \\
 \hline
 x-2 \quad (-3)x^3 + (1)x^2 + (2)x + (3) \\
 (-3x^3) + (6x^2) \\
 + (-5)x^2 + (2)x + (3) \\
 + (-5x^2) + (10x) \\
 + (-8)x + (3) \\
 + (-8x) + (16) \\
 + (-13)
 \end{array}$$