

2.

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

$$\begin{array}{r}
 + (-3x^2) + (-4x) + (-7) \\
 \hline
 x-2 \quad (-3)x^3 + (2)x^2 + (1)x + (3) \\
 (-3x^3) + (6x^2) \\
 + (-4)x^2 + (1)x + (3) \\
 + (-4x^2) + (8x) \\
 + (-7)x + (3) \\
 + (-7x) + (14) \\
 + (-11)
 \end{array}$$