

2.

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

$$\begin{array}{r}
 + (-y^2) + (4y) + (-8) \\
 \hline
 y+2 \quad (-1)y^3 + (2)y^2 + (-3) \\
 (-y^3) + (-2y^2) \\
 + (4)y^2 + (-3) \\
 + (4y^2) + (8y) \\
 + (-8)y + (-3) \\
 + (-8y) + (-16) \\
 + (13)
 \end{array}$$