

2.

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

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