

3.

Which of the following is the remainder of $2w^3 + 3w^2 + 2w - 1$ divided by $w - 2$

$$\begin{array}{r}
 + (2w^2) + (7w) + (16) \\
 \hline
 (w-2) (2w^3) + (3w^2) + (2w) + (-1) \\
 (2w^3) + (-4w^2) \\
 + (7w^2) + (2w) + (-1) \\
 + (7w^2) + (-14w) \\
 + (16w) + (-1) \\
 + (16w) + (-32) \\
 + (31)
 \end{array}$$