

3.

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

$$\begin{array}{r}
 \phantom{p-2} + (2p^2) + (7p) + (17) \\
 \hline
 p-2 \quad (2)p^3 + (3)p^2 + (3)p + (-2) \\
 \phantom{p-2} (2p^3) + (-4p^2) \\
 \phantom{p-2} + (7)p^2 + (3)p + (-2) \\
 \phantom{p-2} + (7p^2) + (-14p) \\
 \phantom{p-2} + (17)p + (-2) \\
 \phantom{p-2} + (17p) + (-34) \\
 \phantom{p-2} + (32)
 \end{array}$$