

5.

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

$$\begin{array}{r}
 \phantom{c + 2} + (2c^2) + (-6c) + (10) \\
 \hline
 c + 2 \quad (2)c^3 + (-2)c^2 + (-2)c + (3) \\
 \phantom{c + 2} (2c^3) + (4c^2) \\
 \phantom{c + 2} + (-6)c^2 + (-2)c + (3) \\
 \phantom{c + 2} + (-6c^2) + (-12c) \\
 \phantom{c + 2} \phantom{+ (-6c^2)} + (10)c + (3) \\
 \phantom{c + 2} \phantom{+ (-6c^2)} + (10c) + (20) \\
 \phantom{c + 2} \phantom{+ (-6c^2)} \phantom{+ (10c)} + (-17)
 \end{array}$$