

2.

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

$$\begin{array}{r}
 + (\boxed{f^2}) + (\boxed{5f}) + (\boxed{12}) \\
 \hline
 \boxed{f-2} + (1)f^3 + (3)f^2 + (2)f + (-2) \\
 + (\boxed{f^3}) + (\boxed{-2f^2}) \\
 + (5)f^2 + (2)f + (-2) \\
 + (\boxed{5f^2}) + (\boxed{-10f}) \\
 + (12)f + (-2) \\
 + (\boxed{12f}) + (\boxed{-24}) \\
 + (\boxed{22})
 \end{array}$$