

1.

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

$$\begin{array}{r}
 + (3y^2) + (-6y) + (9) \\
 \hline
 (y+1) (3)y^3 + (-3)y^2 + (3)y + (3) \\
 (3y^3) + (3y^2) \\
 + (-6)y^2 + (3)y + (3) \\
 + (-6y^2) + (-6y) \\
 + (9)y + (3) \\
 + (9y) + (9) \\
 + (-6)
 \end{array}$$