

2.

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

$$\begin{array}{r}
 \phantom{y+2} + (3y^2) \phantom{+ (-1)y} + (-5y) \phantom{+ (-3)} \\
 \hline
 (y+2) (3y^3) + (1y^2) + (-1y) + (-3) \\
 \phantom{(y+2)} (3y^3) + (6y^2) \\
 \phantom{(y+2)} + (-5y^2) + (-1y) + (-3) \\
 \phantom{(y+2)} + (-5y^2) + (-10y) \\
 \phantom{(y+2)} \phantom{+ (-5y^2)} + (9y) + (-3) \\
 \phantom{(y+2)} \phantom{+ (-5y^2)} + (9y) + (18) \\
 \phantom{(y+2)} \phantom{+ (-5y^2)} \phantom{+ (9y)} + (-21)
 \end{array}$$