

1.

Which of the following is the quotient of  $2v^3 - v^2 - 2v + 1$  divided by  $v + 2$

$$\begin{array}{r}
 \phantom{v+2} + (2v^2) \phantom{+ (-1)v^2} + (-5v) \phantom{+ (-2)v} + (8) \\
 \hline
 v+2 \quad (2)v^3 \phantom{+ (-1)v^2} + (-1)v^2 \phantom{+ (-2)v} + (1) \\
 \phantom{v+2} (2v^3) \phantom{+ (-1)v^2} + (4v^2) \phantom{+ (-2)v} \phantom{+ (1)} \\
 \phantom{v+2} \phantom{(2v^3)} + (-5)v^2 \phantom{+ (-2)v} + (1) \\
 \phantom{v+2} \phantom{(2v^3)} + (-5v^2) \phantom{+ (-2)v} + (-10v) \phantom{+ (1)} \\
 \phantom{v+2} \phantom{(2v^3)} \phantom{+ (-5)v^2} + (8v) \phantom{+ (1)} \\
 \phantom{v+2} \phantom{(2v^3)} \phantom{+ (-5)v^2} + (8v) \phantom{+ (1)} + (16) \\
 \phantom{v+2} \phantom{(2v^3)} \phantom{+ (-5)v^2} \phantom{+ (8v)} + (-15)
 \end{array}$$