

$$\begin{array}{r}
 \phantom{3z^2 - 2z - 1} \phantom{)} \phantom{6z^3 + 5z^2 - 7} 2z + 3 \\
 \hline
 3z^2 - 2z - 1 \phantom{)} \phantom{6z^3 + 5z^2 - 7} \phantom{2z + 3} \\
 \phantom{3z^2 - 2z - 1} \phantom{)} \phantom{6z^3 + 5z^2 - 7} 6z^3 + 5z^2 - 7 \\
 \phantom{3z^2 - 2z - 1} \phantom{)} \phantom{6z^3 + 5z^2 - 7} - 6z^3 + 4z^2 + 2z \\
 \hline
 \phantom{3z^2 - 2z - 1} \phantom{)} \phantom{6z^3 + 5z^2 - 7} 9z^2 + 2z - 7 \\
 \phantom{3z^2 - 2z - 1} \phantom{)} \phantom{6z^3 + 5z^2 - 7} - 9z^2 + 6z + 3 \\
 \hline
 \phantom{3z^2 - 2z - 1} \phantom{)} \phantom{6z^3 + 5z^2 - 7} 8z - 4
 \end{array}$$