

## 2.

Which of the following is the Quotient of  $-3f^6 - 3f^5 + 24f^4 + 22f^3 - 49f^2 - 52f - 4$  divided by  $-(-f - 2)^2 f$

$$\begin{array}{ccccccc}
 & & & + (3 f^3) & + (-9 f^2) & & + (14) \\
 \hline
 -(-f-2)^2 f & (-3) f^6 & + (-3) f^5 & + (24) f^4 & + (22) f^3 & + (-49) f^2 & + (-52) f & + (-4) \\
 & (-3 f^6) & + (-12 f^5) & + (-12 f^4) & & & & \\
 & & + (9) f^5 & + (36) f^4 & + (22) f^3 & + (-49) f^2 & + (-52) f & + (-4) \\
 & & + (9 f^5) & + (36 f^4) & + (36 f^3) & & & \\
 & & & & + (-14) f^3 & + (-49) f^2 & + (-52) f & + (-4) \\
 & & & & + (-14 f^3) & + (-56 f^2) & + (-56 f) & \\
 & & & & & + (7 f^2) & + (4 f) & + (-4)
 \end{array}$$

Coefficient list:

 $\{3, -9, 0, 14\}$