Which of the following is the Quotient of
$$-3y^6 + 9y^5 - 3y^4 - 11y^3 + 9y^2 - 5y + 2$$
 divided by $(-y - 1)y^2 + (3y^3) + (-12y^2) + (-15y) + (-4) + (-12y^2) + (-5)y + (2)$

$$(-3y^6) + (-3y^5) + (-3y^5) + (-12y^5) + (-11y^3 + (-11)y^3 + (-11)y^3 + (-11y^3) + (-11$$

Coefficient list:

 $\{3, -12, 15, -4\}$