Which of the following is the Quotient of -3 y^6 + 21 y^4 - 8 y^3 - 36 y^2 + 15 y + 2 divided by - (-y - 2) 2 y $+(|-12y^2|) + (|15y|) + (|-4|)$ $-(-y-2)^2y$ $(-3)y^6$ $+(21)y^4 + (-8)y^3 + (-36)y^2 + (15)y + (2)$ $+((-12 y^4))$ $+(12)y^5 + (33)y^4 + (-8)y^3 + (-36)y^2 + (15)y + (2)$ $+((48 y^4)) + ((48 y^3))$ $+((12 y^5))$ $+(-15)y^4 + (-56)y^3 + (-36)y^2 + (15)y + (2)$ $+((-15 y^4)) + ((-60 y^3)) + ((-60 y^2))$ $+ (4) y^{3} + (24) y^{2} + (15) y + (2)$ $+((4 y^3)) + ((16 y^2)) + ((16 y))$ $+ (8 y^2)$ Coefficient list:

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