$+(22)y^3 + (21)y^2 + (4)y$

 $+((22 y^3)) + ((22 y^2))$

+ (8)

Which of the following is the Quotient of –3 y^6 –9 y^5 +6 y^4 +34 y^3 +21 y^2 +4 y +8 divided by (-y-1) y^2

Coefficient list: {3, 6, -12, -22}