Which of the following is the Quotient of  $-3z^6+3z^5+18z^4-14z^3-23z^2-4$  divided by  $(-z-1)(2-z)^2$  $+((-12 z^3))$  $+ \, (\, -6\, ) \, \, z^5 \qquad + \, (\, 18\, ) \, \, z^4 \qquad + \, (\, -2\, ) \, \, z^3 \qquad \quad + \, (\, -23\, ) \, \, z^2 \qquad \quad + \, (\, -4\, )$  $+((-6 z^5)) + ((18 z^4))$  $+((-24 z^2))$  $+(-2)z^3 + (1)z^2 + (-4)$ 

$$+(2z^{3}) + (6z^{2}) + (-8) + (-5z^{2}) + (4)$$

Coefficient list:

 $\{3, 6, 0, 2\}$