Which of the following is the Quotient of
$$-3 \, m^6 + 21 \, m^4 - 8 \, m^3 - 36 \, m^2 + 15 \, m + 2$$
 divided by $-(-m-2)^2 \, m$ $+(3 \, m^3) + (-12 \, m^2) + (15 \, m) + (-4)$ $-(-m-2)^2 \, m$ $+(-3) \, m^6 + (-12 \, m^4) + (-12 \, m^5) + (-12 \, m^5) + (-12 \, m^4) + (-12 \, m^4$