(%i2) ratsimp(((4·x^4+x^5−81·x−324)/(3·x^4+10·x^3−81·x−270))·((3·x^3+19·x^2+57·x+90)/(x^4+7·x^3+21·x^2+63·x+108)));

(%o2) 1

(%i4) ratsimp(9·(x−1)^2·(x+2)^3);

(%o4) 9 5+36 4+9 3−90 2−36 +72

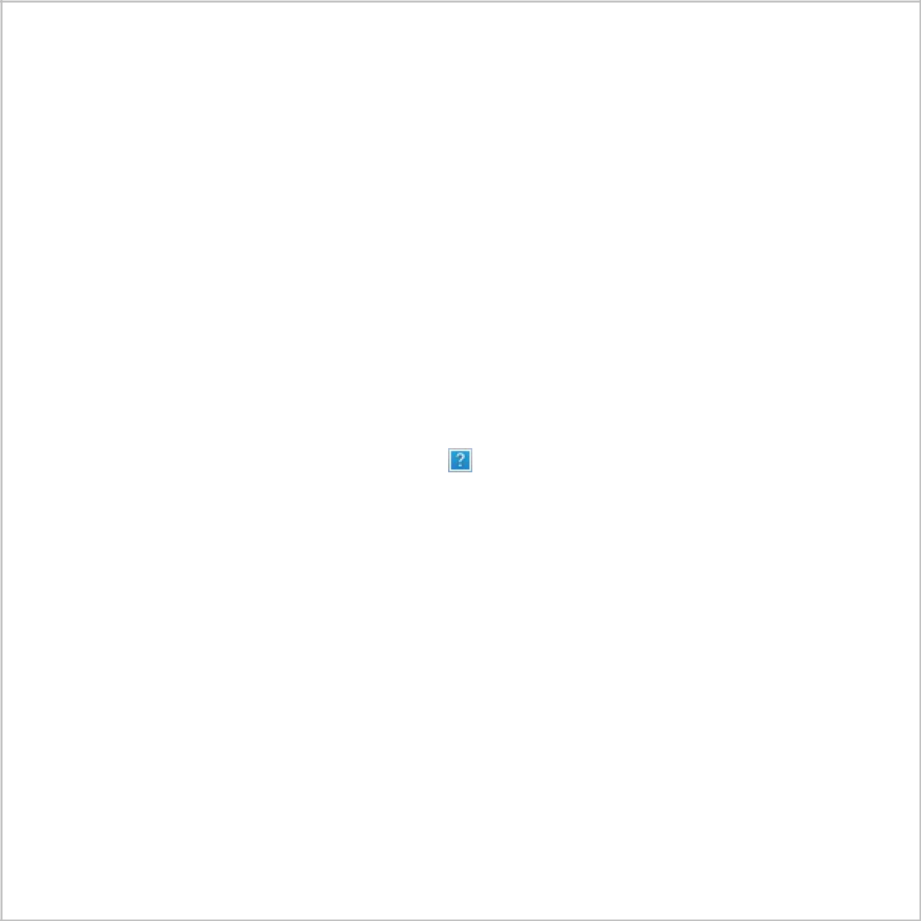
(%i5) factor(9·x^5+36·x^4+9·x^3−90·x^2−36·x+72);

(%o5) 9( −1)2( +2)3

--> wxplot2d([sin(x)·√(81−x^2),5·atan(x)],[x,−5,5]);

(%i6) wxplot2d([sin(x)·√(81−x^2),5·atan(x)], [x,−5,5])$

(%t6)



(Graphics)



Created with [wxMaxima](https://wxmaxima-developers.github.io/wxmaxima/).