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

(%o2) 1

(%i4) ratsimp(9·(x - 1)^2·(x + 2)^3);

(%o4) 9x^5 + 36x^4 + 9x^3 - 90x^2 - 36x + 72

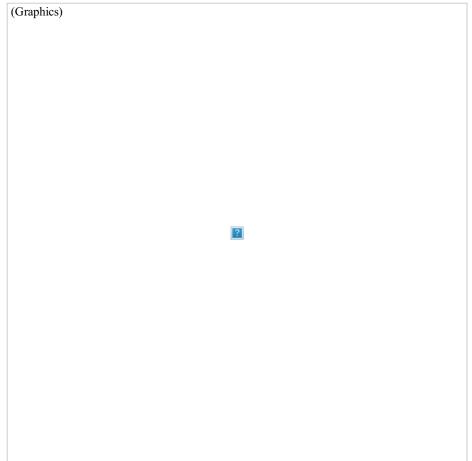
(%i5) factor(9·x^5 + 36 \cdot x^4 + 9 \cdot x^3 - 90 \cdot x^2 - 36 \cdot x + 72);

(%o5) 9(x - 1)^2 (x + 2)<sup>3</sup>

--> wxplot2d([sin(x)·\sqrt{(81 - x^2), 5 \cdot atan(x)]},[x, -5, 5]);

(%i6) wxplot2d([sin(x)·\sqrt{(81 - x^2), 5 \cdot atan(x)]},[x, -5, 5])$

(%t6)
```



Created with wxMaxima.