Input interpretation:

plot $\quad -4\cos(x) + \cos(2x) - 4\left(\dfrac{1}{9}\cos(3x)\right) + \dfrac{\pi^2}{3} \qquad x = -\pi \text{ to } \pi$

$\quad\quad x^2$

Plot:

Legend:
$-4\cos(x) + \cos(2x) - \dfrac{4}{9}\cos(3x) + \dfrac{\pi^2}{3}$

x^2