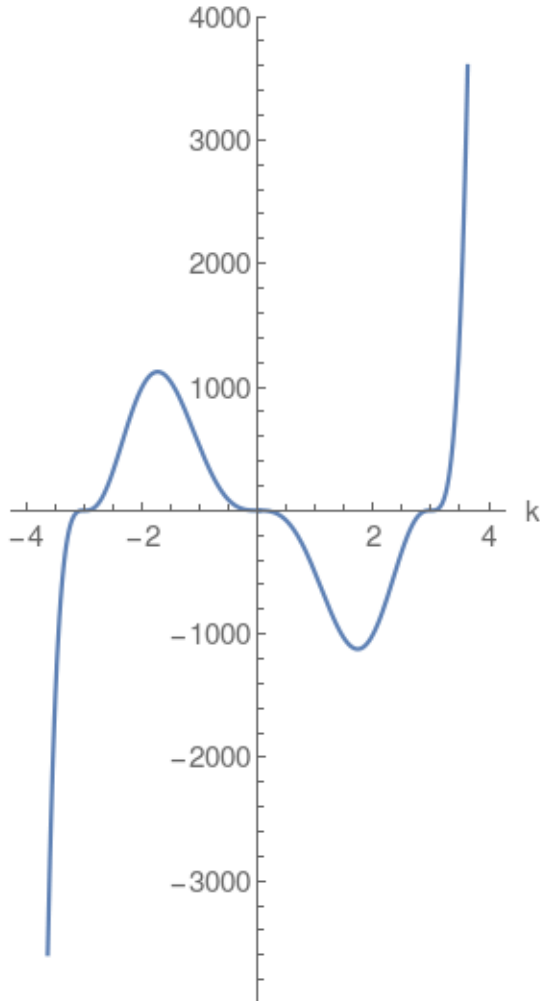
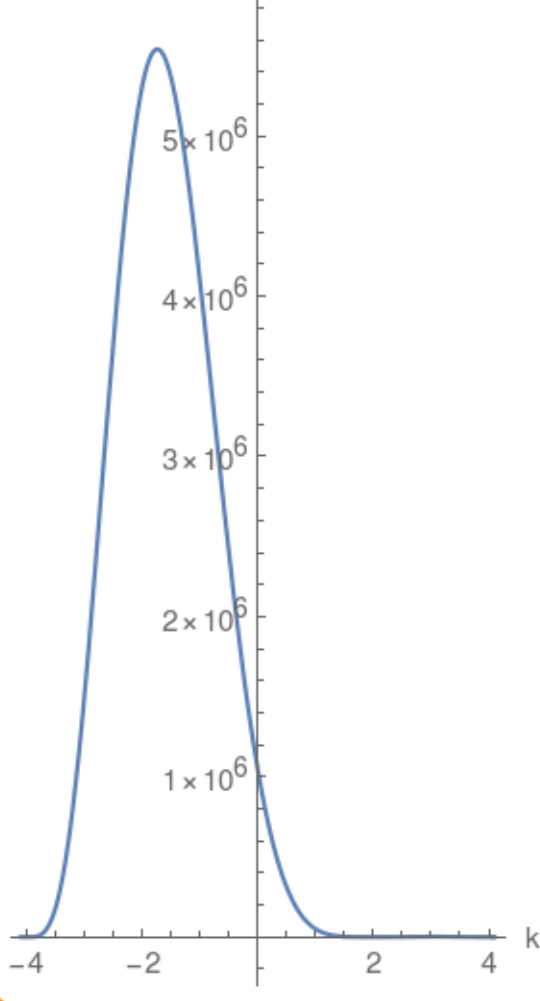


1. Which polynomial-graph matches?

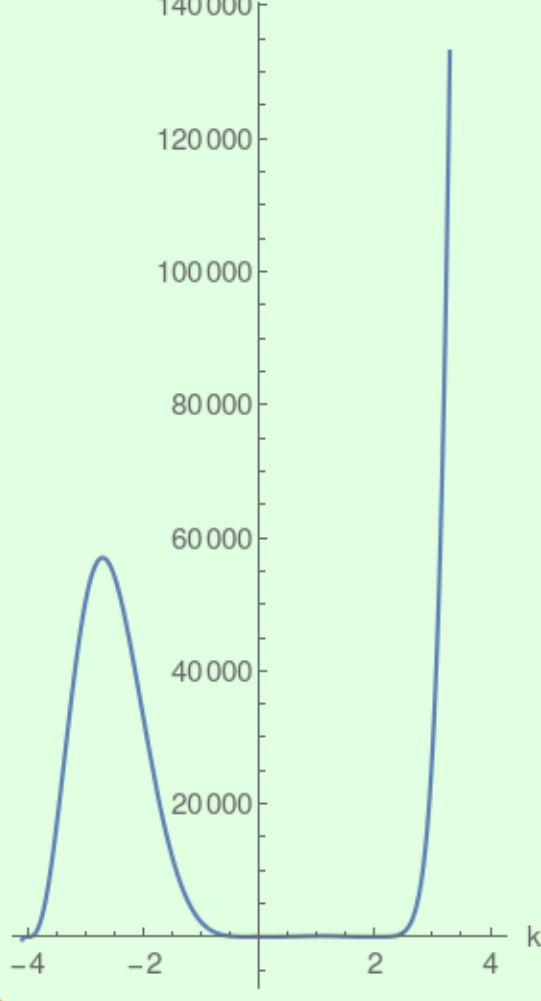
$$(k-2)^3 k^3 (k+4)^2$$



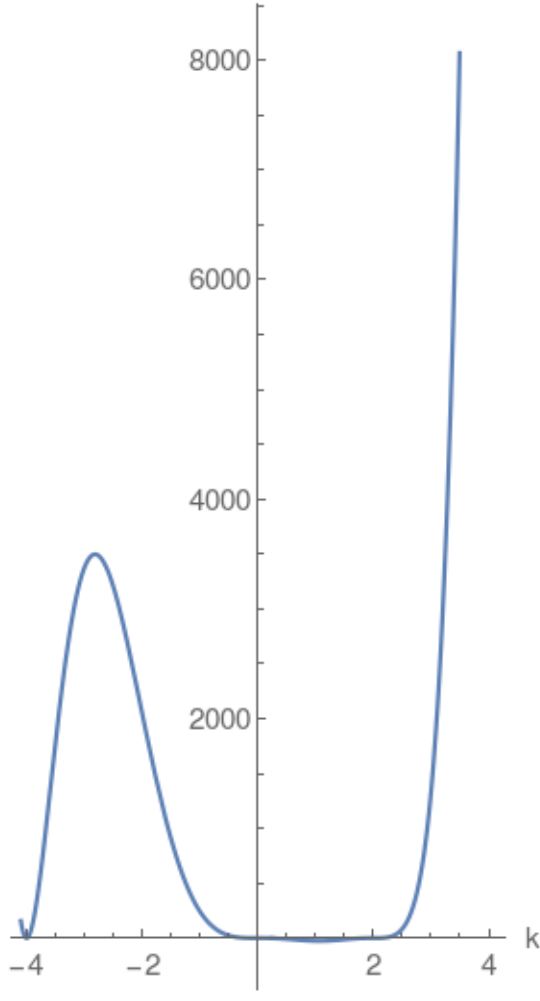
$$(k-3)^3 k^3 (k+3)^3$$



$$(k-2)^4 k^4 (k+4)^3$$



$$(k-4)^4 (k-2)^4 (k+4)^4$$



Solution

$$(k-2)^4 k^4 (k+4)^3$$

