

Vocabulary/Definitions

- ## Understand

1. Where are the local maximum or minimum values of functions in the family $y = x^3 - kx$ (with $k > 0$)? How does k affect the location of the maxima or minima?
2. Where do functions in the family $y = x^3 - kx$ have inflection points? How does k affect the location of the inflection points?