

The graph displays four curves on a Cartesian coordinate system. The blue curve starts at the top left, decreases to a local minimum, and then increases. The green curve starts at the top left, increases to a local maximum, and then decreases. The red curve starts at the bottom left, increases to a local maximum, and then decreases. The orange curve starts at the bottom left, decreases to a local minimum, and then increases. The curves intersect at several points, illustrating the relationship between the functions and their derivatives.