

Answer on Question #42283 – Math – Calculus

Question.

Describe how to transform the graph of f into the graph of g .

$$f(x) = x^4 \text{ and } g(x) = -x^4$$

Solution.

You must only display (turn) your graphic symmetrically relative to the axis x .

It's graphic $f(x) = x^4$:

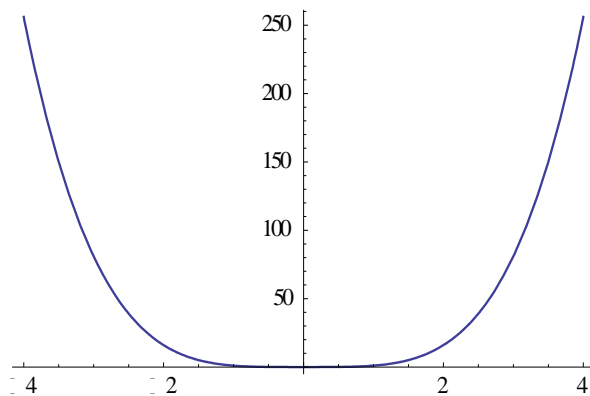


Fig.1. Graphic $f(x)$

It's graphic $g(x) = -x^4$:

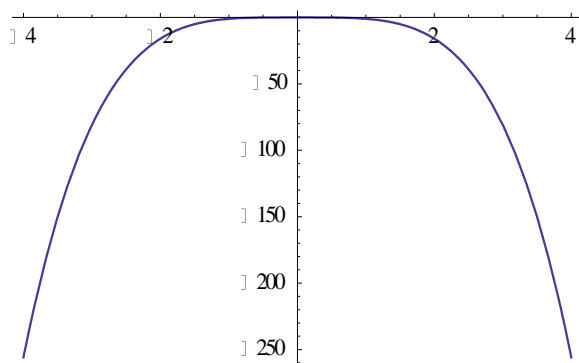


Fig.2. Graphic $g(x)$

So, you must make mirror image of graphic $f(x)$ relative to the axis x to get graphic $g(x)$.