## Answer on Question #45800 – Math – Calculus

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

f(x) = x4 and g(x) = -(-x)4

## Solution.

To transform the graph of  $f(x) = x^4$  into the graph  $g(x) = -(-x)^4$ 

we must:

- 1. Transform the graph of  $f(x) = x^4$  into the graph  $h(x) = (-x)^4$ by reflection the graph of  $f(x) = x^4$  about the y-axis (you can't see it, because  $f(x) = x^4$  is symmetrical about the y-axis), and
- 2. Transform the graph of  $h(x) = (-x)^4$  into the graph  $g(x) = -(-x)^4$ by reflection the graph of  $h(x) = (-x)^4$  about the x-axis.



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