## Answer on Question \#45800 - Math - Calculus

Describe how to transform the graph of $f$ into the graph of $g$.
$f(x)=x 4$ 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 $f(x)=x^{\mathbf{4}}$ 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 $\boldsymbol{h}(\boldsymbol{x})=(-x)^{4}$ about the x-axis.

