

Answer on Question #42365 – Math - Calculus

Problem.

The transformation from f to g represents a _____ stretch.

$f(x) = \text{square root } x$ and $g(x) = 6 \text{ square root of } x$

Solution.

Since $af(x)$ stretches/compresses $f(x)$ vertically, the transformation from $f(x)$ to $g(x) = 6f(x)$ represents a vertical stretch. Thus, the answer is: vertical.