## Answer on Question #76386 – Math – Calculus

## Question

 $\lim_{x\to\infty}((\sqrt{x}+(\sqrt{x}+\sqrt{x}))-\sqrt{x})$ 

## Solution

 $\lim_{x \to \infty} ((\sqrt{x} + (\sqrt{x} + \sqrt{x})) - \sqrt{x}) = \lim_{x \to \infty} ((\sqrt{x} + \sqrt{x})) = \lim_{x \to \infty} (2\sqrt{x}) = \infty$ 

As x approaches infinity, then x to a power can only get larger, so our limit will be infinity.

## Answer:

 $\lim_{x \to \infty} ((\sqrt{x} + (\sqrt{x} + \sqrt{x})) - \sqrt{x}) = \infty$ 

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