

**Answer on Question #42276 – Math - Calculus**

**Problem.**

Find  $(f + g)(x)$ .

$f(x) = \sqrt{3x+7}$ ,  $g(x) = \sqrt{3x-7}$

what steps should i do first i'm struggling in  $f(x)$

**Solution.**

Let  $f(x) = \sqrt{3x+7}$  and  $g(x) = \sqrt{3x-7}$ .

Therefore,  $(f + g)(x) = f(x) + g(x) = \sqrt{3x+7} + \sqrt{3x-7}$ .