Find (f + g)(x).

f(x)=square root 3x+7 , g(x)=square root 3x-7

Answer.

1. If there is $(f + g)(x)$ then $(f + g)(x) = f(x) + g(x)$.

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

2. If there is $(f°g)(x)$ then $(f°g)(x) = f(g(x))$.

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