1. Find the domain of the function g defined by $g(t) = \dfrac{\sqrt{3t+6}}{5-t}$.

2. A function P is defined by $P(x) = \sqrt[3]{2x+5} + \dfrac{2}{(2x+5)^2}$.

Find two functions f and g such that $P(x) = f(g(x))$.

$f(t) =$

$g(s) =$