Use these two functions:

$$f(x) = 6x - 5$$
 $g(x) = 2x + 3$

$$f(x) = x^2 + 7$$

$$g(x) = x + 5$$

$$h(x) = 2x - 9$$

Find and simplify f(g(x))

$$6(2x+3)-5$$

$$= 12 \times +18^{-5}$$

= $12 \times +13$

1. Find f(g(x)). Simplify as much as possible.

x2+10x+25

 $(5x-13)^2 = 25x^2-130x + 169$ (5x)(-13) · 2

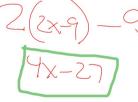
Use these functions:

$$f(x) = x^2 + 7$$

$$g(x) = x + 5$$

$$h(x) = 2x - 9$$

Find h(h(x)).



Use these two functions.

$$f(x) = (x+3)^2 - 1$$
 $g(x) = \sqrt{x+1} - 3$

1. Find f(g(x)). Simplify as much as possible.

V(x+3)2-1+1 -3 V(x+3)2-1+1 -3=X+3-3=X

Whenever	f(g(x))=x	and	g(f(x))=x	
the function:	s f(x) and d	ı(x) ar	e called INV	FRSES