

$$\rightarrow (g \circ f)(x) = g(f(x))$$

$$= 2f(x)^2 - 5f(x) + 3$$

$$= 2\sqrt{x-1}^2 - 5\sqrt{x-1} + 3$$

$$= 2(x-1) - 5\sqrt{x-1} + 3$$

$$= 2x - 2 - 5\sqrt{x-1} + 3$$

$$= 2x - 5\sqrt{x-1} + 1$$

esta definido $x > 1$.

$$(g \circ f)(x) = 2x - 5\sqrt{x-1} + 1$$

$$\text{Dom } g \circ f = [1, +\infty)$$

$$(\text{Dom } g \circ f = \text{Dom } f)$$