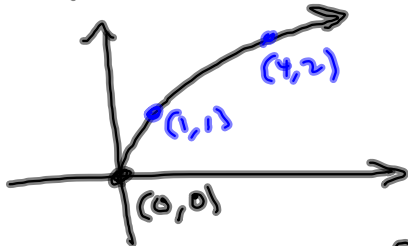


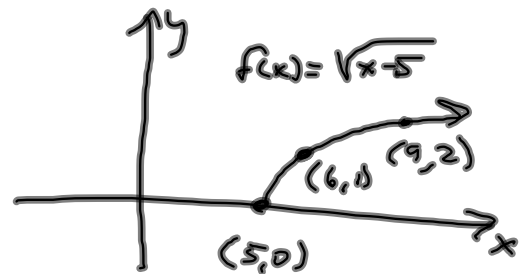
$$\# 37 \quad f(x) = \sqrt{x-5}$$

If $\sqrt{x} = g(x)$



Right +
5 units
(Delay)
 $g(x-5)$ does
everything

$$\text{then } \sqrt{x-5} = g(x-5)$$



$f(x-k)$ right k	$f(x) - k$ down k
$f(x+k)$ left k	$f(x) + k$ up k

Shrink $f(7x)$

Stretch $f(\frac{1}{3}x)$

stretch $3f(x)$

Shrink $\frac{1}{9}f(x)$

$$f(x) \longrightarrow f(7x)$$

$$(1,5) \longrightarrow (\frac{1}{7},5)$$

$$(1,5) \longrightarrow (3,5)$$

$$(1,5) \longrightarrow (1,15)$$

$$(1,5) \longrightarrow (1,\frac{5}{9})$$

Not as
intuitive