

$x_0 = -1$	$f_0 = \mathbf{1}$			
		\searrow		
$x_1 = 0$	$f_1 = 6$	\rightarrow	$\frac{1-6}{-1-0} = \mathbf{5}$	
		\searrow		\searrow
$x_2 = 1$	$f_2 = -3$	\rightarrow	$\frac{6+3}{0-1} = -9$	\rightarrow
		\searrow		\searrow
$x_3 = 3$	$f_3 = 3$	\rightarrow	$\frac{-3-3}{1-3} = 3$	\rightarrow