(10) 
$$f'(i) = 1,3$$

$$\frac{\partial}{\partial x} \left( f(\sqrt{x}) \right) \quad \text{of} \quad x=1$$

(5) 
$$f(x) = \int \sin(2x) \quad x \leq 0$$
  
 $\int mx + b \quad x > 0$ 

$$\lim_{x\to 0^+} f(x) = \lim_{x\to 0^-} f(x)$$

$$f(x) = \begin{cases} 2\cos(2x) & x < 0 \\ m & x > 0 \end{cases}$$