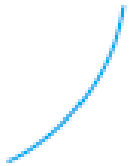
Aplicações da 2ª Derivada (4.2)

Signs of f' and f''	Properties of f	General Shape of the Graph of f
$f'(x) > 0$ $f''(x) > 0$	f is increasing. The graph of f is concave upward.	
$f'(x) > 0$ $f''(x) < 0$	f is increasing. The graph of f is concave downward.	
$f'(x) < 0$ $f''(x) > 0$	f is decreasing. The graph of f is concave upward.	
$f'(x) < 0$ $f''(x) < 0$	f is decreasing. The graph of f is concave downward.