Use the information to graph f(x).

1.
$f(-2) = f(1) = f(8) = 0$
$f'(-1) = f'(5) = 0$
$f'(x) < 0$ for $x < -1$ or $x > 5$
$f'(x) > 0$ for $-1 < x < 5$
$f''(x) > 0$ for $x < 2$
$f''(x) < 0$ for $x > 2$

2.
$f(0) = 4$
$f(6) = 0$
$f'(x) < 0$ for $x < 2$ or $x > 4$
$f'(2)$ does not exist
$f'(4) = 0$
$f'(x) > 0$ for $2 < x < 4$
$f''(x) < 0$ for $x \neq 2$