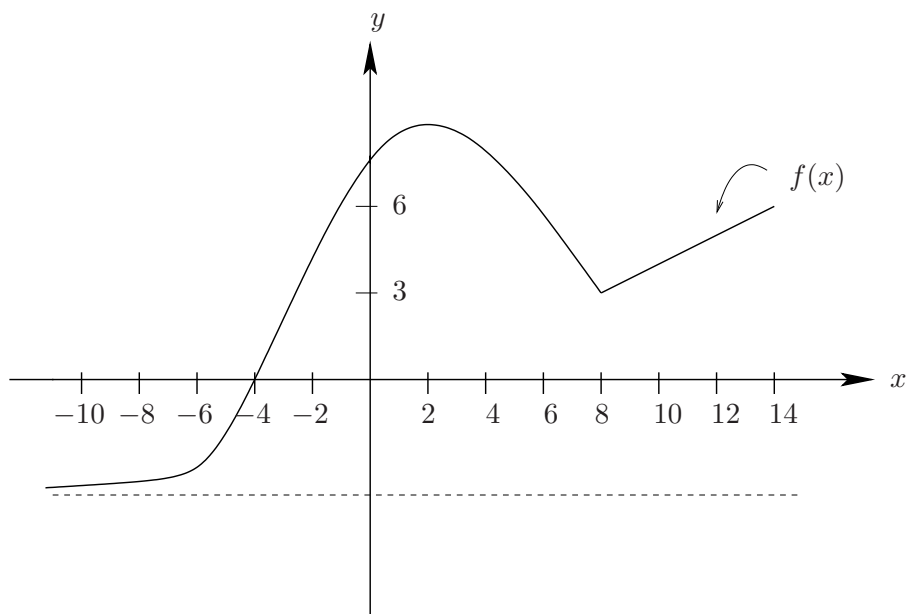


7. (12 points) The graph of a function f is given below.



(a) On the same set of axes, draw a graph of the derivative, $f'(x)$.

(b) Determine $f''(12)$.

(c) Describe in words what the expression $\frac{f(-2) - f(4)}{-6}$ represents graphically.

(d) Write the following slopes in increasing order:

$$\frac{f(2)}{2} \quad \frac{f(14) - f(8)}{14 - 8} \quad \frac{f(4)}{4}$$