Assume $f(x)$ is defined for all real numbers $x$. Consider the following graph of $f'(x)$.

1. **True/False:** $f$ has a critical point at $x = -2$.
2. **True/False:** $f$ is differentiable at $x = 3$.
3. **True/False:** $f'$ is differentiable at $x = 3$.
4. **True/False:**
   
   $$\lim_{h\to 0} \frac{f(3+h) - f(3)}{h} \text{ exists}$$

5. **True/False:**
   
   $$\lim_{h\to 0} \frac{f'(3+h) - f'(3)}{h} \text{ exists}$$

6. **True/False:** $f$ is continuous at $x = 3$

7. **True/False:**
   
   $$\int_{0}^{-3/2} f'(x)dx > 0.$$