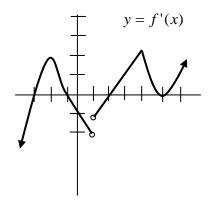
Name: \_\_\_\_\_

Date: \_\_\_\_\_

For the following questions, refer to the graph of y = f'(x), the <u>**DERIVATIVE**</u> of f(x), show below. The domain of f(x) is all real numbers. Once again, this is the graph of the **<u>DERIVATIVE!</u>** 



- 1. Find all critical points of the **original function** f(x).
- 2. Estimate the intervals over which the **original function** f(x) is increasing.
- 3. Estimate the intervals over which the **original function** f(x) is decreasing.
- 4. Estimate the intervals over which the **original function** f(x) is concave up.
- 5. Estimate the intervals over which the **original function** f(x) is concave down.
- 6. Estimate the x-coord. of all local maximum points of the **original function** f(x).
- 7. Estimate the x-coord. of all the local minimum points of the **original function** f(x).
- 8. Estimate the x-coordinates of all inflection points of the **original function** f(x).