Draw the graph of a function with the following properties:

- $f'(c) = 0$ and $f''(c) < 0$
- $f'(0) = 0$ and $f''(0) > 0$
- $f'(c) = 0$ and $f''(c) > 0$
- $f''(c) = 0$ and $f''(d) < 0$
- $f''(e) = 0$ and $f''(f) > 0$

The graph of the second derivative of a function is shown below. Use this graph to determine the following:

1. Where is the function concave up?
2. Where are the points of inflection?
3. Where is the function concave down?
4. Give a possible graph of $f''(x)$
5. Give a possible graph of $f$