**Quiz 16**

Name: _____

1. Sketch a graph of a function that is concave up at $x = 1$ and concave down at $x = 2$.

   See in class example for solution.

2. Suppose you know a function $f(x)$ that has $f''(2) > 0$ and that you know nothing else. Name one thing that is definitely true about $f'(x)$ near $x = 2$.

   We can definitely say that $f'(x)$ is increasing near $x = 2$, since its derivative at 2, $f''(2)$, is positive.