Find the derivatives of the following functions:

1. \( f(x) = (2x^2 + 1)^2 \)

2. \( f(x) = \sqrt{1 - 2x} \)

3. \( f(x) = x^2 \sqrt{1 - 2x} \)

4. Find the first and second derivative of \( f(x) = x + \frac{1}{x} \).

5. Find \( f'(-2), f''(-2) \), and describe the behavior of the function at the point \((-2, -\frac{5}{2})\). In other words is the function increasing or decreasing, concave up or concave down?