7. [9 points] On the axes provided below, sketch the graph of one possible function \( y = g(x) \), satisfying all of the following requirements. Your graph should clearly show the properties listed below to receive full credit.

- The domain of \( g \) is \((-3, 5]\).
- The range of \( g \) is \([-2, 2]\).
- \( g \) has vertical intercept \((0, 1)\).
- \( g \) has exactly two zeros, at \( x = -2 \) and at \( x = 3 \).
- \( g \) has a constant rate of change for \(-1 < x < 1\).
- \( g \) is increasing for \( x < 0 \).
- \( g \) is concave up for \( x > 3 \).
- \( g \) attains its minimum value at \( x = 5 \).