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 $x = 5$.