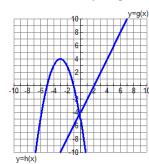
Target 1: I understand how to evaluate composite functions using a graph.

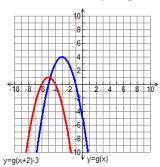
1. The graphs of y = g(x) and y = h(x) are shown in the graph below. Approximate the value of h(g(-3)).



$$g(h(-3)) = g(4) = 4$$

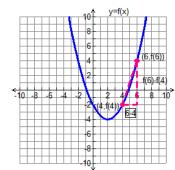
Target 2: I understand how to sketch graphs of composite functions.

2. The graph of y = g(x) is how in the graph below. Sketch the graph of y = g(x+2) - 3 on the same grid.



Target 3: I understand the meaning of function expressions as related to the graph.

3. Illustrate the meaning of $\frac{f(6)-f(4)}{6-4}$ on the graph below.



The slope of the secant line between (4, f(4)) and (6, f(6)):

$$\frac{f(6) - f(4)}{6 - 4} = \frac{4 - (-2)}{2} = 3$$

4. A point on the graph is labeled (x,f(x)). Illustrate the meaning of $\lim_{h\to 0} \frac{f(x+h)-f(x)}{x+h-x}$.

