

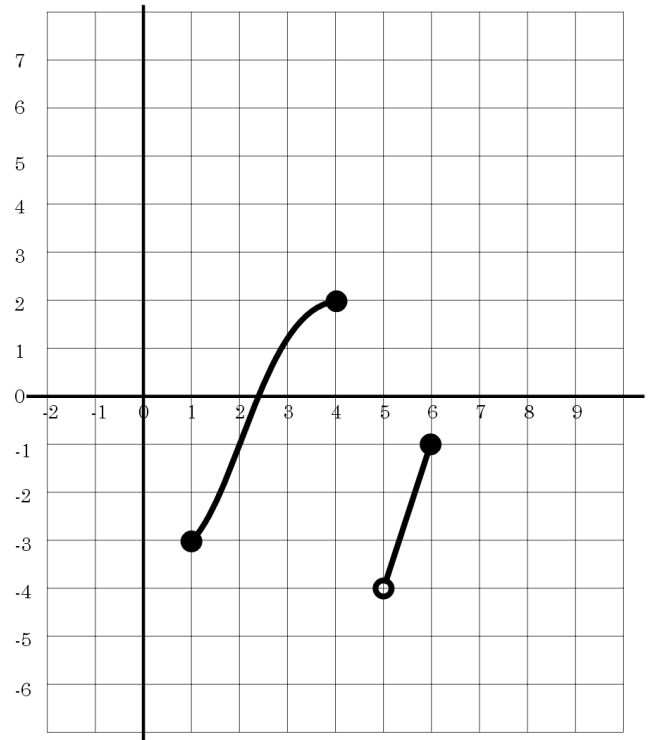
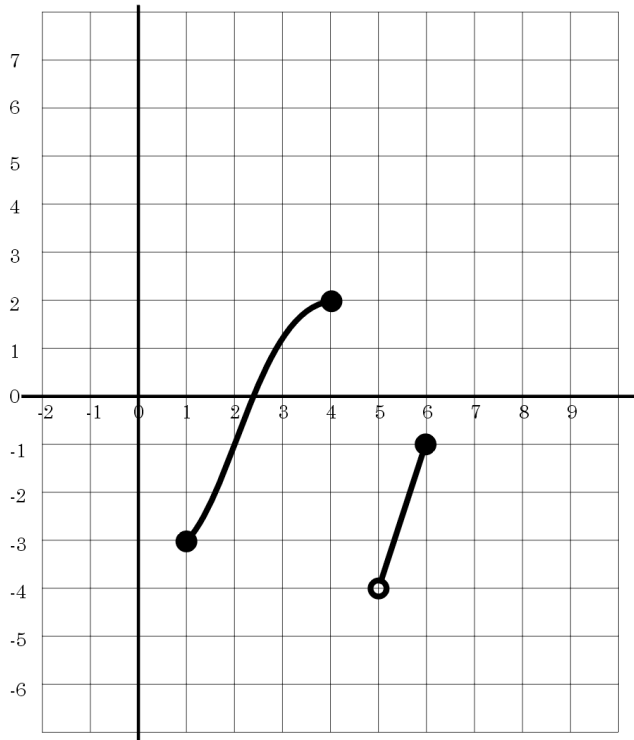
1. Consider the function $g(t)$ whose *entire* graph is shown below. (There are TWO copies; you'll need both of them in part 1C.) Find the following: Use correct interval notations for the domain and range. You might need a "union" sign somewhere such as in " $(15, 20] \cup (35, \infty)$ ".

1A The domain of $g(t)$?

The range of $g(t)$?

The x -intercept(s) of $g(t)$?

1B. Find a good approximation to $g'(2)$. Sketch any appropriate tangent lines and show the numbers or points you used in your solution.



1C. On the axes above, make a good sketch of each of these two functions:

(1) On the left-hand graph, draw $g(x - 2)$

(2) On the right-hand graph, draw $-2g(x)$