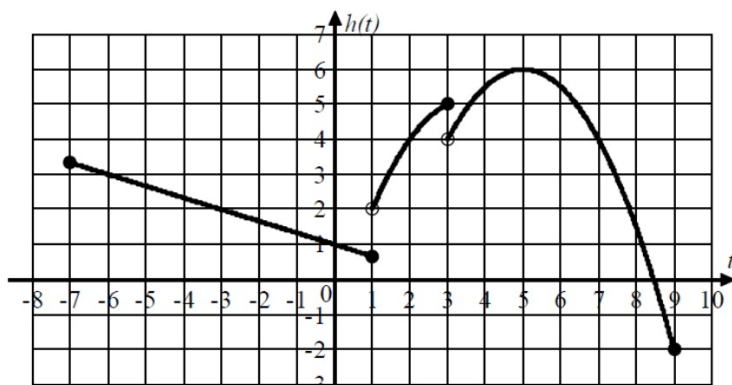Use the graph of the piecewise function, $h(t)$, and the table to answer the following questions. The point (3, 5) is not the vertex of a parabola, but the point (5, 6) is the vertex of a parabola.

t	h(t)
-6	3
-3	2
2	4
3	5
5	6
7	4
9	-2

1. What is the value of t where $h(t) = 4$?

2. What is the value of $h(3)$?

3. What are the coordinates of the point where $h(t)$ has an absolute maximum value?

4. On what intervals is $h(t)$

    a) increasing?

    b) decreasing?

5. a) What is the domain?

    b) What is the range?

    c) At what values of t is h discontinuous?