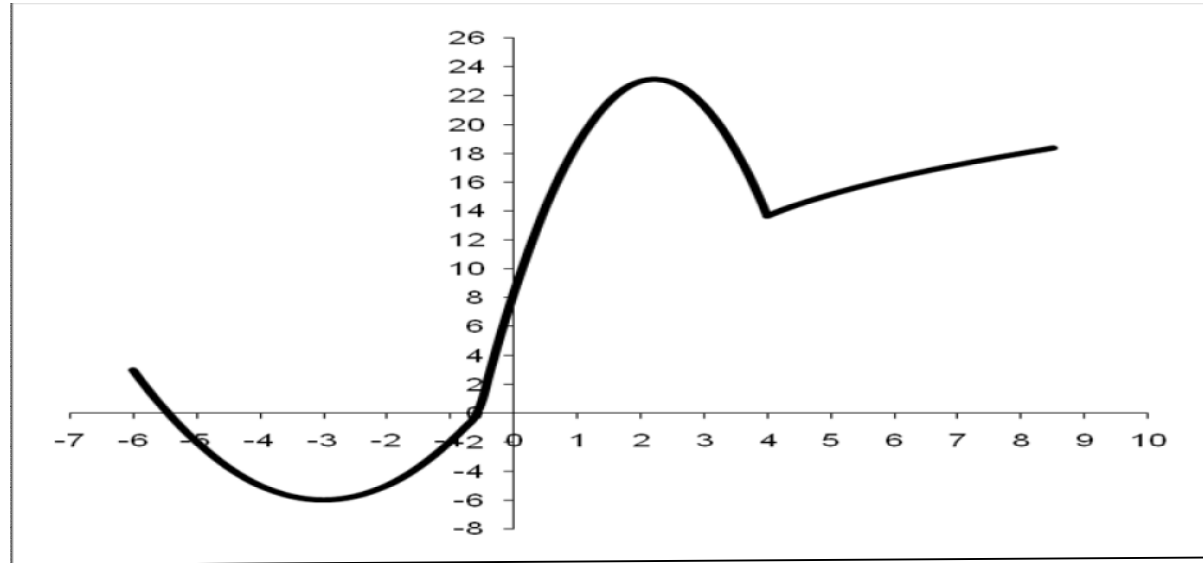


NAME _____



The graph above is the graph of a function g . Assume that g is defined for all real numbers from $(-\infty, \infty)$.

1. On (approximately) what interval(s) is the graph of g decreasing?

2. Where does g have a local minimum value?

3. Is it reasonable to assume that g has an absolute minimum value? If so, what is the absolute minimum value and where does it occur. If not, explain why you think the assumption is not reasonable.

4. Is it reasonable to assume that g has an absolute maximum value? If so, what is the absolute maximum value and where does it occur. If not, explain why you think the assumption is not reasonable.

5. Which is the largest, $g(-2)$, $g(2)$, or $g(4)$?

6. Where does the graph of g appear to be the steepest?