



1. On what interval(s) is the slope of the tangent line positive?

$$(-\infty, b) \cup (c, e) \cup (g, \infty)$$

2. On what interval(s) is the slope of the tangent line negative?

$$(b, c) \cup (e, g)$$

3. On what x-value(s) is the slope of the tangent line zero?

$$x = b, x = c, x = e, x = g$$

horizontal  
tangent  
lines

4. What can you say about the graph when the tangent line has a positive slope?

The graph increases.

5. What can you say about the graph when the tangent line has a negative slope?

The graph decreases.