Exploring Relationships

Graph  on your graphing calculator. Use this graph to answer the following questions.

**1.** If this graph represents the first derivative of a function, what does this graph tell us about the function?

**2.** If this graph represents the first derivative of a function, what does this graph tell us about the second derivative?

**3.** If this graph represents the second derivative of a function, what does this graph tell us about the function?

**4.** If this graph represents the second derivative of a function, what does this graph tell us about the first derivative?