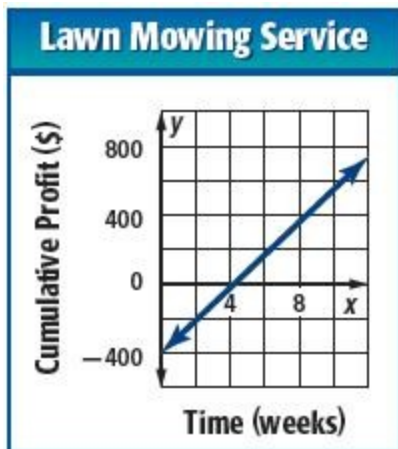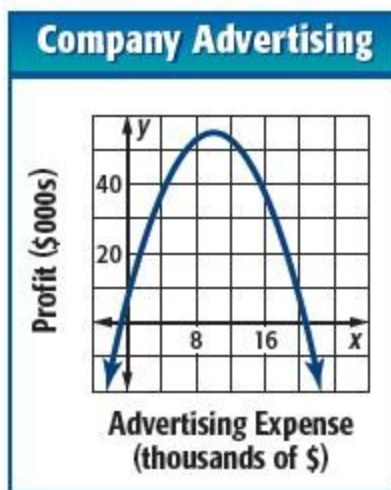ORGANIZE IDEAS Identify the function graphed as *linear* or *nonlinear*. Then estimate and interpret the intercepts of the graph, any symmetry, where the function is positive, negative, increasing, and decreasing, the *x*-coordinate of any relative extrema, and the end behavior of the graph.
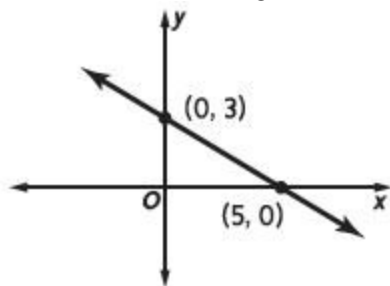
4.

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23. Which of the following best describes the graph?

   A The x-intercept is 3; the y-intercept is 5; the graph
is positive for $x < 5$; the graph is negative for $x > 5$.
   B The x-intercept is 5; the y-intercept is 3; the graph
is positive for $x < 5$; the graph is negative for $x > 5$.
   C The x-intercept is 5; the y-intercept is 3; the graph
is positive for $x > 5$; the graph is negative for $x < 5$.
   D The x-intercept is 5; the y-intercept is 3; the graph
is positive for $x > 0$; the graph is negative for $x < 0$.

24. **GRIDDABLE** Thomas graphs the function $y = 3(x - 6)^2$. What is the x-intercept of the function?

25. Which statement best describes the graph shown.
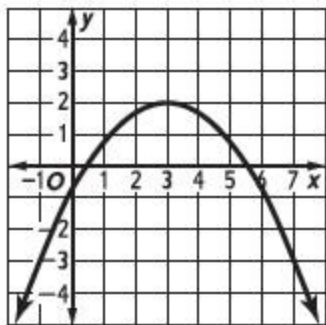
   F The graph is linear.
   G The graph is nonlinear.
   H There are two y-intercepts.
   J The graph is increasing.