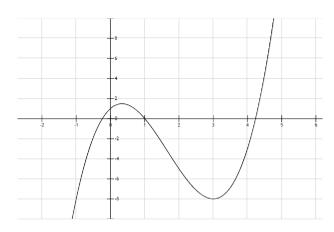
Name: _

Clear your desk of everything excepts pens, pencils and erasers. If you have a question raise your hand and I will come to you.

- 1. (2 points) Multiple Choice. No work needed. No partial credit available. A particle moves with position function $s(t) = t^3 t^2 21t$. What is its velocity at the point where its acceleration is zero?
 - A. $-\frac{565}{27}$ B. $-\frac{64}{3}$ C. $\frac{8}{3}$ D. $\frac{8}{27}$
 - E. None of the above.
- 2. (1 point) Fill-in-the-Blank. No work needed. No partial credit available.

The following is the graph of the derivative f'(x) of a function f(x). Is the original function f(x) increasing or decreasing at x = 4?



Extra Work Space.

3. (2 points) Find the tangent line to the curve $\sqrt{2(x+y)} = 1 + x^2y^2$ at the point (1,1). Show your work.