Quiz

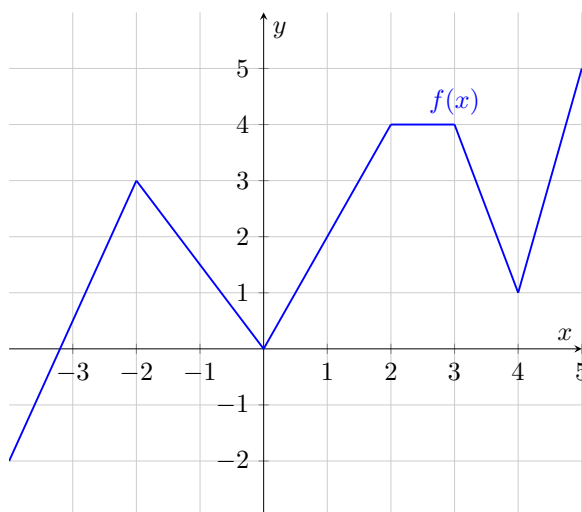**Directions:** Carefully read each question below and answer to the best of your ability in the space provided. You **MUST** show your work to receive full credit!

1. (5 points) Given the constraint equation $6x + 2y = 36$, determine the maximum value for the product $A = xy$. (*Hint*: Begin by writing $A = xy$ as an equation in terms of x only.)

2. (5 points) Given the graph $y = f(x)$ below, compute the integral $\int_0^3 f(x)dx$ using geometry.

Name: _____

Section (circle one):   021   022   023   024

Question:	1	2	Total
Points:	5	5	10
Score:			