

Quiz 15

MATH 139-01 and -02

Thursday, November 6, 2003

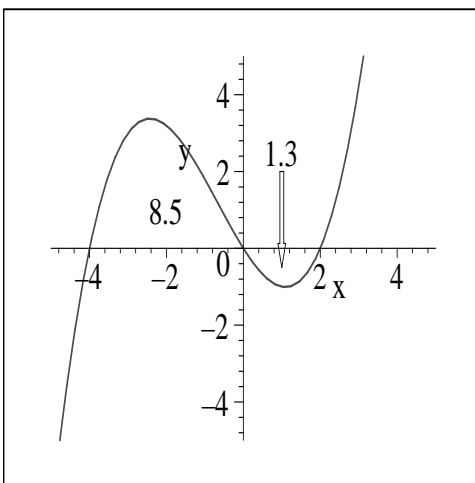
Be sure to **show your work**. Unsupported answers receive no credit.

1. In the graph of $y = f(x)$ shown below, the areas are as marked. Compute each of the following.

(a) $\int_{-4}^0 f(x) dx$

(b) $\int_0^2 f(x) dx$

(c) $\int_{-4}^2 f(x) dx$



2. Compute the area between the graphs of $y = x^2$ and $y = 3x$. (You will need to determine what region these surround.)