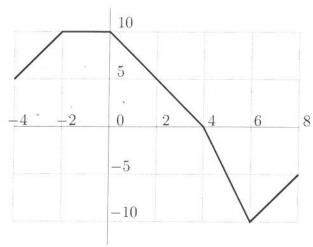
You must show your work to get full credit.



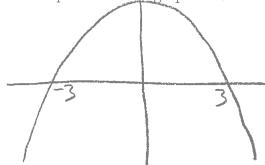
1. For the function with graph given above compute the following (and remember that area below the x-axis counts as negative when computing an integral):

Each yex is 10. Between x=-4 and

The axis. $5 \times 10 = 50$ The axis $5 \times 10 = 50$ T

$$\int_{-4}^{1} f(t) dt = \underline{\qquad \qquad}$$

(a) Make a picture of the graph here:



(b) What is the area under the graph and over the x-axis for $-3 \le x \le 3$. Be sure to write down how you used the calculator to compute this.

2nd cole 7: Stiney Lower limit -3 upper limit 3

The ares is 36