Quiz 1
Will remade location of queshon for future quizzes?
Show all your work. Reasonable supporting work must be shown for any partial credit.

1. Consider the piece-wise defined graph $f(x)$ consisting of a parabola and straight lines.
(a) [1] Estimate $f(1)$.
(b) [2] (Activity: DefiniteIntegrals\#2) Describe the area shaded as a definite integral involving $f(x)$.

(c) [2] Find the formula for the function $f$ in the indicated form:

Worth $5-3 * 3$
Week Monday leched Evaluate $\int_{-4}^{0} f(x) d x$ exactly.
1.5) line $y=m x+$
slope $=1$
thru $(-2,0)$ $\Rightarrow 0=(-2)(4)+b$ $\leadsto 2=6$
2. [2] (WebHW5-3 \#5) Let $g(t)$ be such that we know $\int_{0}^{6} g(t) d t=24$. Find $\int_{0}^{6} g(t)-3 d t$

