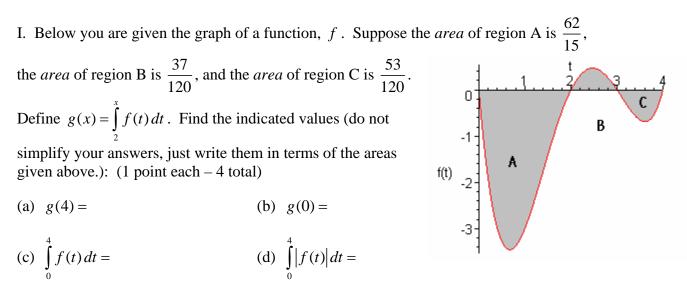
Pledge:



Total)

II. Find the indicated integrals. Neatly show all of your work and clearly indicate your answers. (4 points each, 12 total)

(a) $\int_{0}^{1} x \left(\sqrt[3]{x} + \sqrt[4]{x} \right) dx$

(b)
$$\int_{-1}^{3} 2w^2 dw$$

(c)
$$\int_{1}^{e} \frac{1}{2x} dx$$

III. If
$$h(x) = \int_{3}^{\sqrt{x}} \frac{\cos t}{t} dt$$
, then find $h'(x)$. (4 points)