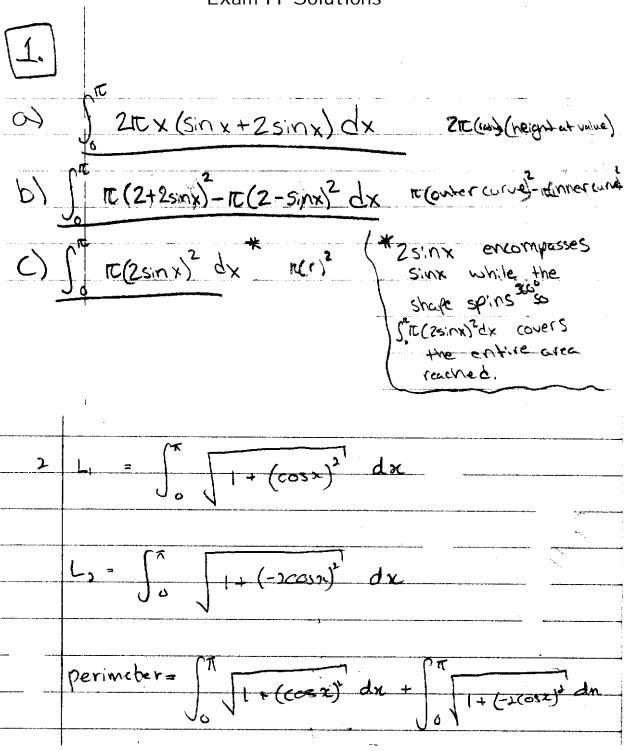
Exam II Solutions



3. According to the MVT, a function
$$F(x)$$
's duerage ' (att of thinge, $F(c)$ [o < c < 2]

$$= F'(c) \neq \frac{F(a) - F(b)}{2 - 0}$$

$$= F(c) = \int_{0}^{2} F'(x) dx$$

$$= F(c) = \frac{1}{2 - 0} \int_{0}^{2} F(x) dx$$

3.
$$\beta_1$$

$$f(E) = \frac{1}{2} \cdot 5 \cdot x^2 + x \, dx$$

$$= \frac{1}{2} \left[\frac{x^2}{3} + \frac{x^2}{2} \right]^2 = \frac{1}{2} \left(\frac{3}{3} + 2 \cdot \right) - (0)$$

$$= \frac{7}{3} = C^2 + C$$

$$Q = C^2 + C - \frac{3}{3}$$

$$C = 1.1073$$

y = f(x)4a y=g(x) f(x)=e*-1 g(x)=2 ln(x+1) .7S2 .752 0 -2ln(x+1)].dx

