Gorin Mukay

1. A 
$$\int_{0}^{1} (8 - (-7x + 8)) dx + \int_{1}^{2} (8 - (-7x + 8)) dx$$

1. B 
$$\sqrt[3]{y} = X$$
  $y - 8 = X$  Bounds (1, 8)

$$\sqrt{5} = X \qquad \sqrt{5} = \frac{9^2}{8} \qquad 8\sqrt{5} = 9^2$$

$$y(y^2-64)$$
  $y=0,8$   $64y=y^3$ 

10 sin (Tt) (10 -0) +

3. 
$$\int_{A}^{\pi} \int_{X}^{\pi} (3-\sqrt{x}) dx$$

B. 
$$a = x$$

$$\frac{10\sin(\pi t)}{\pi} = \frac{3}{\pi} = \frac{10}{\pi}$$

$$\frac{3}{\pi} = x$$

$$\frac{4}{V(t)} = 10\cos(\pi t) + \frac{10}{11} + \frac{20}{11} + \frac{10}{11} + \frac{20}{11} + \frac{30}{11} + \frac{30$$

$$n(t) = 1500 + \int_{0}^{t} |u0e^{-\frac{x}{4}}| dx$$

$$= 1500 + \left(-400e^{-1/4x}\right)^{\frac{1}{4}} - 400e^{\frac{1}{4}} - 400$$