$$N(t) = 2t^{2} - 8t + C \quad (mi/h) \quad 0 \le t \le 3$$

$$x = 3$$

$$N(t) = 2t^{2} - 8t + C = 0$$

$$x = 1, 3$$

$$x = 0t - 8 = 0$$

$$x = -1, - ch$$

Total displacement =
$$\frac{8}{3} - \frac{8}{3} = 0$$

Dislance = 0, (-) If whoms

L, V, A, S,

Dislance = $\int_{0}^{\infty} (N(t)) dt + \int_{0}^{\infty} |V(t)| dt$

= $\frac{8}{3} + \left(-\frac{8}{3}\right)$

= $\frac{16}{3} \times 10^{-3} = \frac{16}{3} \times 10^{-3} = \frac{$