

(1) Intersect Paths I 9-10-3 y=3(x-10)+5 Plug in x=0 y = -3075 = -25Then does Cassidy get here? $y_c(t) = 5 - \frac{3}{100}t = -25$ $-\frac{3}{40}t = -30$ E=10110 = 31.623 when do Police? yp(t) = 15-5+=-25 -\$ t = -40 E=32 2) d(t)= /(x(t)-x(t))2 + (y(t)-y(t))2 $= \int (10 - \frac{1}{10}t)^2 + \left(5 - \frac{1}{10}t - \left(15 - \frac{5}{4}t\right)\right)^2$ Vomain. Open ended 12 st 432 Police lose Police

Stert Chusins

race.

Casside gets there first & escripcis

(0,-25)