Crime Scene #1: Gangster Shooting

$$\Delta y = V_{iy} \Delta t + \frac{1}{2} a \Delta t^2$$

$$0.00SS = \frac{1}{2} (9.8) \Delta t^2$$

$$Vix = 3$$

0.0335 sec

compare this answer with the reduced velocity of the builts from each firealm 20% slow (from shoulder)

- 0.357 magnum (Meru Redwood) = 442m/s x 0.3 = 132.6m/s
 0.45 ACP FMJ (Aloises Datady) = 250m/s x 0.3 = 75m/s
 0.38 Special (Janice Jackson) = 300m/s x 0.3 = 90m/s
- :. Janice Jackson committed the shooting, given that her fireasm's 90m/s was closest matched to that which struck Hosatio's Shoulder