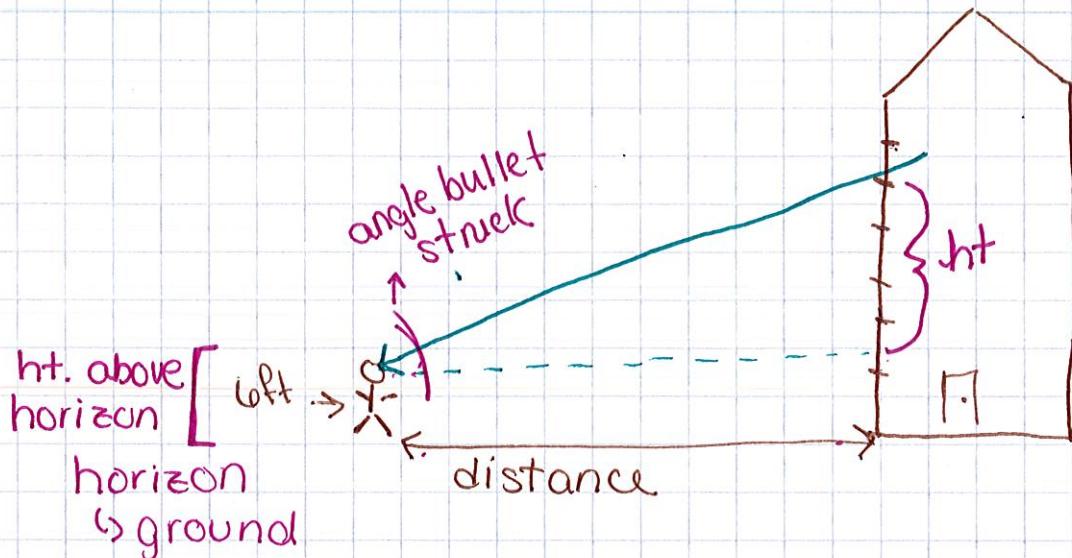


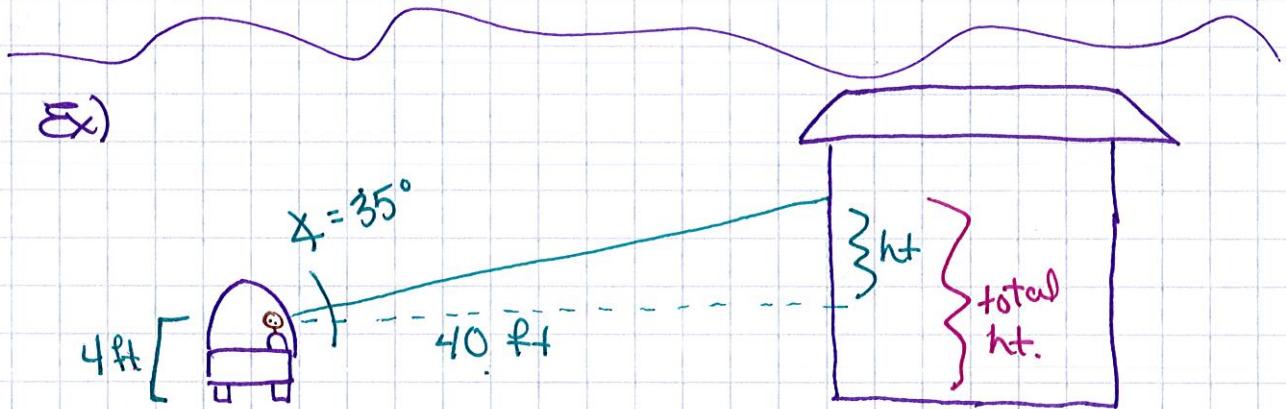
Bullet Trajectory

- where did the bullet come from



$$ht = \text{distance} \cdot \tan \theta$$

total ht = ht + ht. above the horizon



$$ht = 40 \cdot \tan 35^\circ = 28 \text{ ft}$$

$$\text{total ht} = 28 \text{ ft} + 4 \text{ ft} = \underline{\underline{32 \text{ ft}}}$$