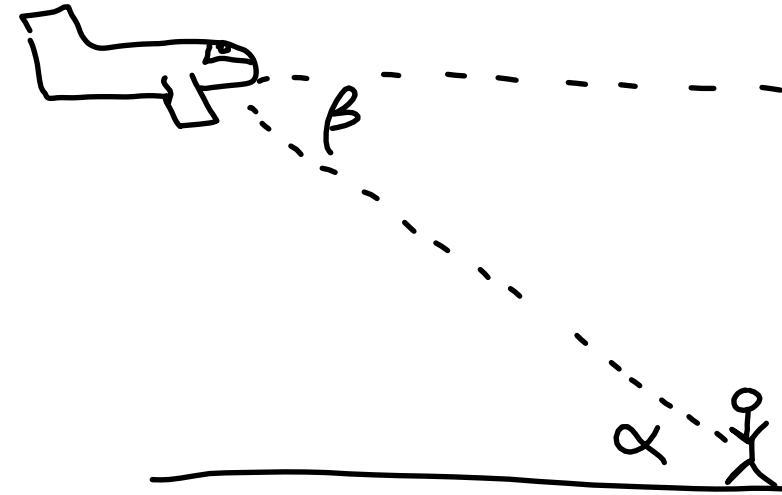
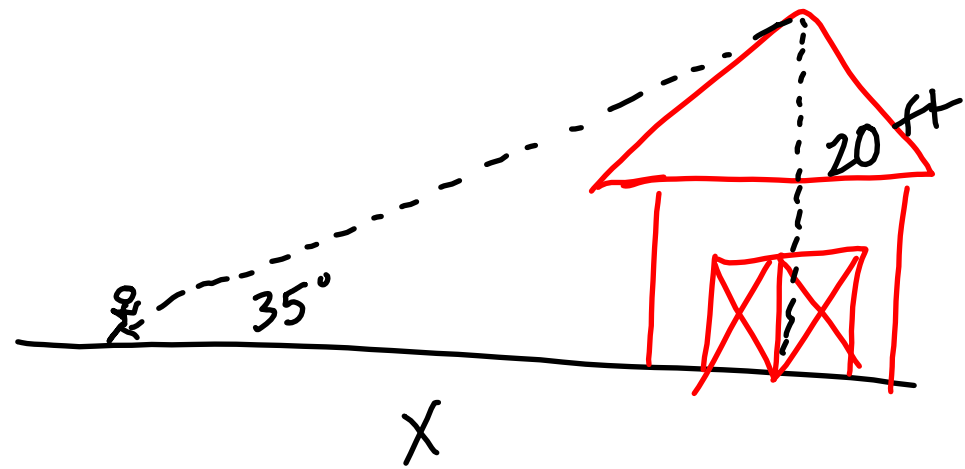


Angles of Elevation/Depression

- angle of elevation \rightarrow looking up (α)
- angle of depression \rightarrow looking down (β)



EX \rightarrow



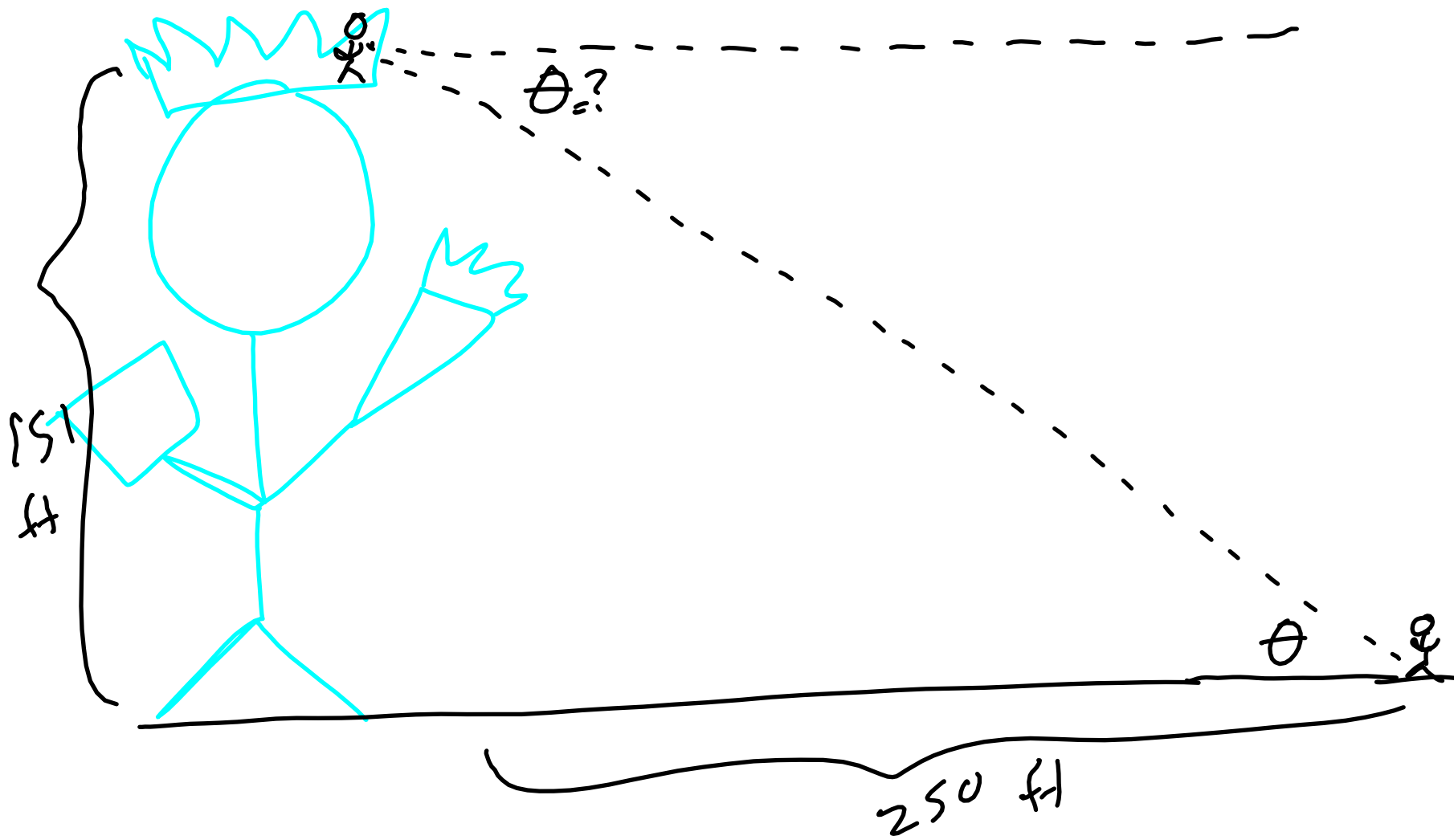
$$S \frac{O}{H} \quad C \frac{A}{H} \quad T \frac{O}{A}$$

$$\tan 35^\circ = \frac{20}{X}$$

$$0.700 = \frac{20}{X}$$

$$X = \frac{20}{0.700}$$

$$= 28.571 \text{ ft}$$



$$\tan^{-1}\left(\frac{151}{250}\right) = 31.132^\circ$$

HW: p. 519 → 17-23, 33