Slide 1

p. 89
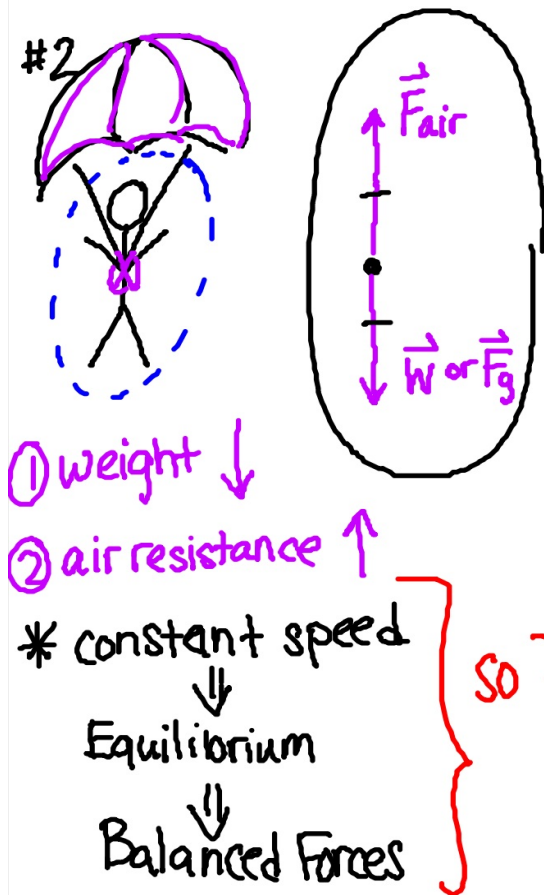Practice Problems

weight ↓

(air resistance ↑
but we ignored)

$\vec{W}$
$(\vec{F_g})$

① Draw a picture of situation.

② Identify the (system)

③ Determine what forces (contact & field) are acting on the system

④ Convert system to a particle and draw force vectors.
(and label)

Slide 2

#2

$\vec{F}_{air}$

$\vec{W}$ or $\vec{F_g}$

① weight ↓
② air resistance ↑

* constant speed
⇩
Equilibrium
⇩
Balanced Forces

so $\vec{F}_{air} = \vec{W}$

① Draw a picture of situation.

② Identify the (system)

③ Determine what forces (contact & field) are acting on the system

④ Convert system to a particle and draw force vectors.