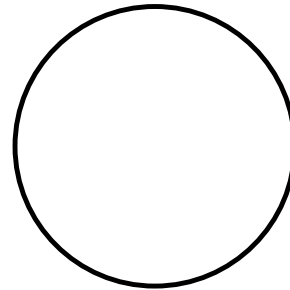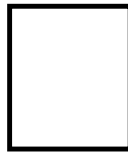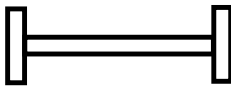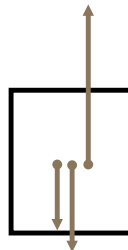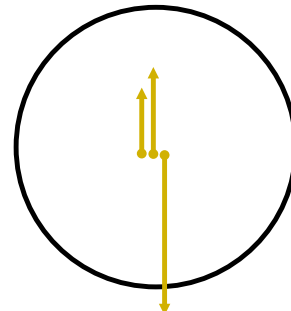mass1 = barbell

mass2 = weightlifter
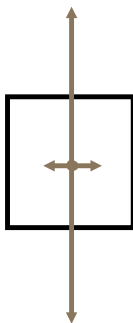
mass3 = Earth

Acceleration = 0
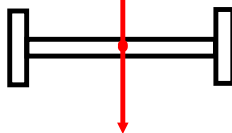
barbell
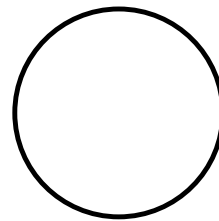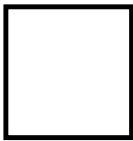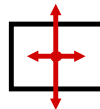
weightlifter

Earth

mass1 = car
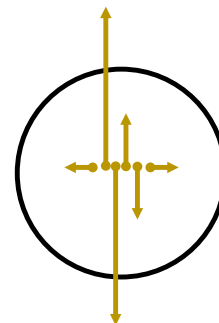mass2 = person
mass3 = Earth

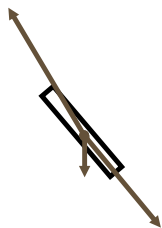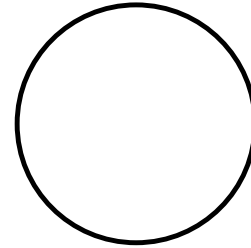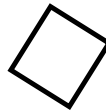**Acceleration = 0**

car

person

Earth

mass1 = T-bar

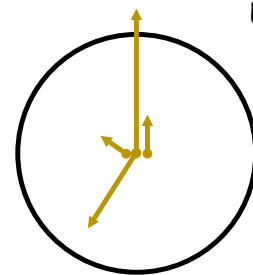mass2 = skiers

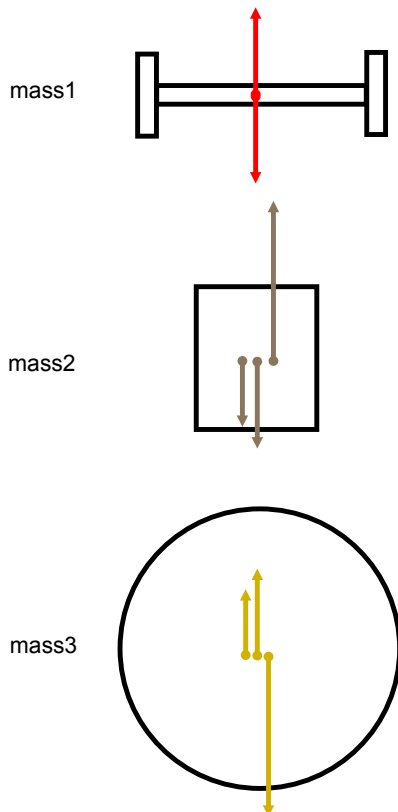mass3 = Earth

Acceleration = 0

T-bar

Skiers

Earth
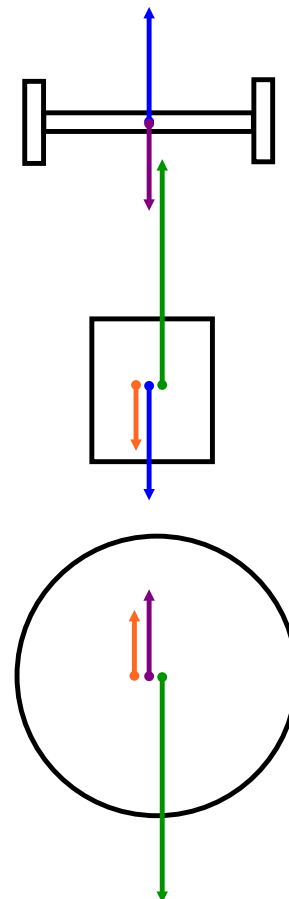
mass1 = barbell weight
mass2 = weightlifter
mass3 = Earth

Zero accel.

Non-zero accel. (upwards)
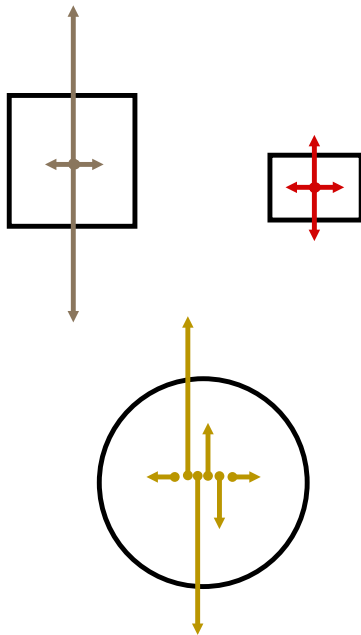
mass1

mass2

mass3

Tab

mass1 = car
mass2 = person
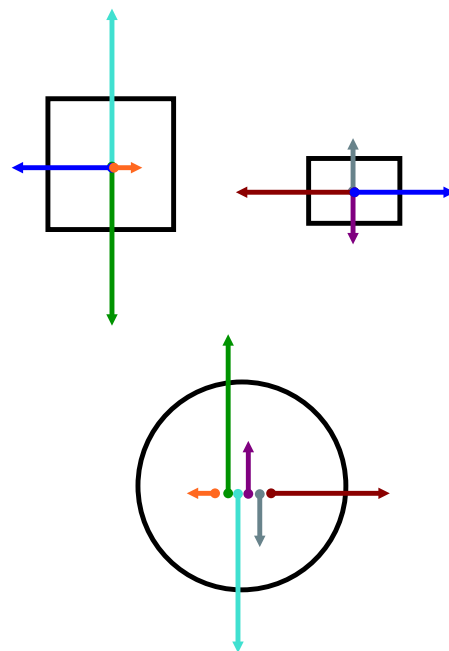mass3 = Earth

Zero accel.
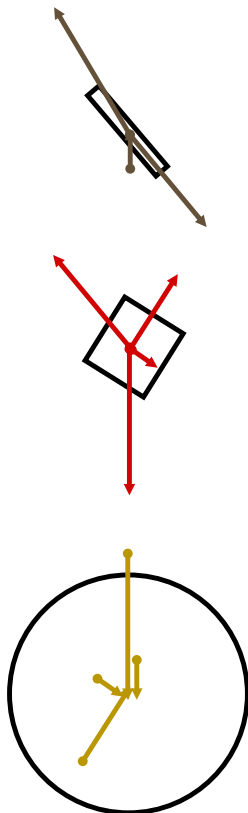
Non-zero accel. (to left)

Tab

mass1 = T-bar
mass2 = skiers
mass3 = Earth

Zero accel.

Non-zero accel. (up slope)

Tab