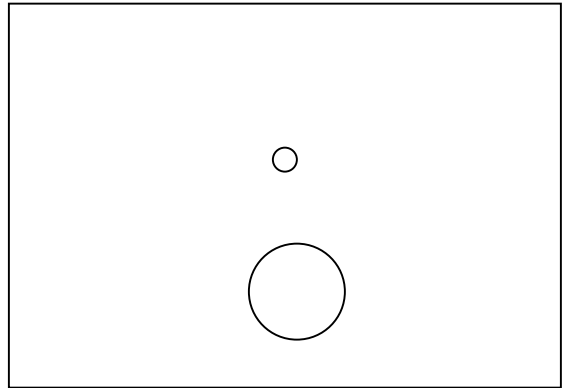
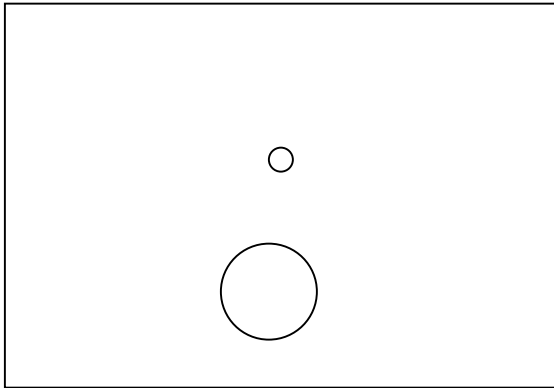
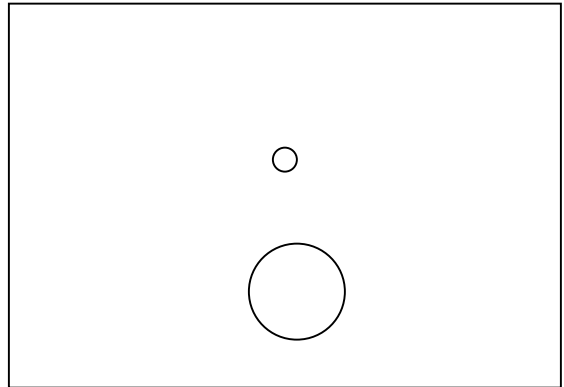
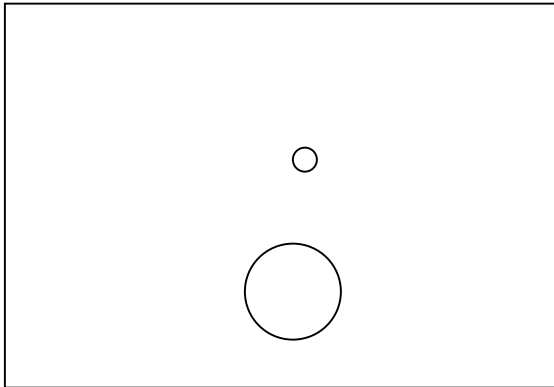


Frames of reference
Earth Frame

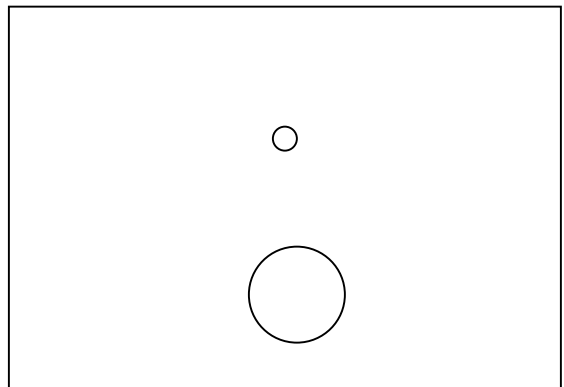
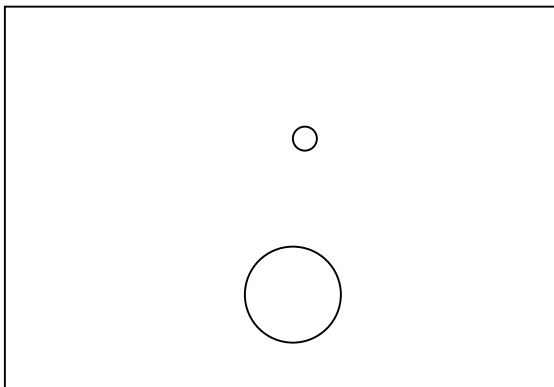
Basketball Frame



Before the basketball collides with the Earth



After basketball collides with earth
Before tennis ball collision



After both collisions.