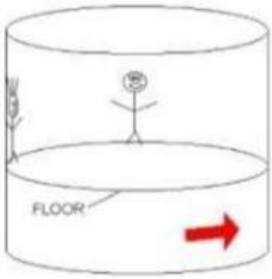

In an amusement park ride, a girl stands with her back against the inside wall of a circular room. The room begins to whirl around. After the room reaches a constant speed, the floor drops down, but she doesn't fall. Identify three forces (inward, downward, and upward) acting on her and give the direction of each.

The force pushing upward, keeping her from falling is _____ The force pushing inward and is

_____

The downward force acting on the rider is _____ The two forces that are balanced are _____

and _____

LIVEWORKSHEETS