

2. A person is standing on a scale on an elevator (e.g. a bathroom scale, or the kind of scale you stand on in the Doctor's office to determine your weight):

a. Draw the FBD

b. Develop the Newton's 2nd Law equation for the system

3. An elevator with a mass "m" is suspended by a cable.

a. Draw the FBD

b. Develop the Newton's 2nd Law equation for the system