



ex. For a person on a toboggan being pulled by three friends, find the <u>acceleration</u> for the following situations. The mass of the person on the toboggan is 60 kg and each friend can pull 20 N. Draw an FBD for each case.

a) they all pull in the same direction

b) two pull forward, one pulls backwards

c) There is a 30 N force of friction acting on the toboggan and all the friends pull in the same direction.

