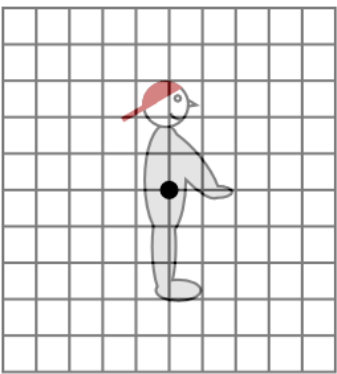
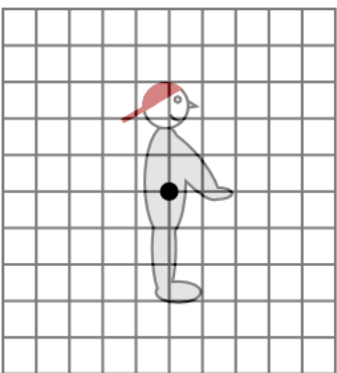
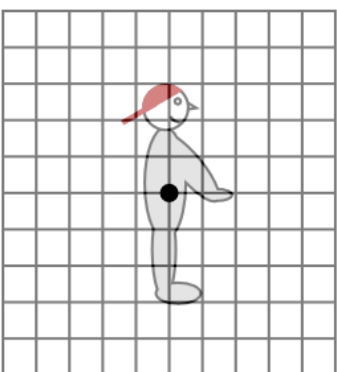
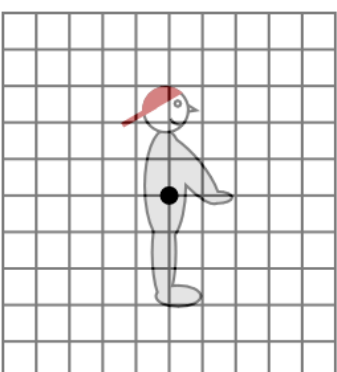


| | Trip | FBD | Scale Reading (lbs) | $\sum \vec{F}_z$ (N) | a_z (m/s ²) | acceleration direction (↑ or ↓) | velocity direction (↑ or ↓) |
|-----------|-------|---|---------------------|----------------------|---------------------------|---------------------------------|-----------------------------|
| Up Trip | Start |  | | | | | |
| | Stop |  | | | | | |
| Down Trip | Start |  | | | | | |
| | Stop |  | | | | | |