All problems are from Taylor, *Classical Mechanics*.

1) Problem 15.16  Differential form of the Lorentz transformation
2) Problem 15.17  Lack of absolute simultaneity
3) Problem 15.22  Sideways velocity transformation
4) Problem 15.54  Classical momentum is not conserved in a collision
5) Problem 15.57  Radioactive decay mass change
6) Problem 15.58  Relativistic speed
7) Problem 15.61  Relativistic energy and speed
8) Problem 15.62  Relativistic momentum and speed