

PS#7 Due in Class Tuesday, May 29. Please pay good attention to describe the lens you are using and explain your method.

1. 7.0 Exercise 1, Aiming a boat across a river
2. 7.0 Exercise 2, pulling my daughter in a sled
3. 7.0 Exercise 4, Throwing a rock upwards
4. 7.1 Exercise 1 pulling child in sled with energy considerations.
5. 7.1 Exercise 2, torque wheel
6. 7.1 Exercise 4, automobile accident
7. Slacklining is pretty fun, but you have

to run some webbing between two trees first. At right, you see two pictures of me at 70 kg, slack lining.

- a) In which drawing is the line tighter? Please prove how you know this with a good force drawing and discussion. Lens?
- b) Using your force drawing, please estimate the tension on the slack line at left.

