

## Questions for recitation 24 February 2021

1. Exercises 6.4: #4, 16, 17, 21, 23-24, 32-34
2. A spring scale is compressed 1 cm when a 50 kg rock is placed on it.
  - (a) What is the weight of a rock that compresses the scale 2 cm? (Assume that Hooke's law applies to the spring.)
  - (b) How much work is done compressing the scale 2 cm?