

Classwork 14-7

1. A spring with a spring constant of  $k = 100 \text{ N/m}$  is compressed  $0.05 \text{ m}$ . How much elastic potential energy does the spring have when compressed?
2. If  $17 \text{ J}$  of work is done on ~~a spring~~ stretching a spring  $0.03 \text{ m}$ . What is the spring constant of the spring?