

Topic 23: Work

1. A force of 5 pounds stretches a spring 4 inches. Find the work done in stretching the spring 6 inches beyond its natural length.
2. A concrete block weighing 250 pounds is lifted a distance of 20 inches. How much work was done?
3. If you have to lift a 100 pound television set up 3 feet onto a table, how much work have you done?

Answers

- 1) $15/8$ ft-lb
- 2) $1250/3$ ft-lb
- 3) 300 ft-lb