

Math 0030 February 21, 2007 Homework 13

Text problems: 8.7 # 3, 5, 13

The length of a spring's stretch with a weight attached is proportional to the weight.

$$L = kW$$

A particular spring is stretched 3 cm with a 4 kg weight attached.

1) Find k.

2) Write the relationship between the length L and weight W using the value of k you obtained.

2) How far will the spring stretch with a weight of 11 kg?