

There are a bunch of documents posted here. Some are for your own enlightenment and not specifically being quizzed.

Lesson 2 ppt: anything on here is fair game for quiz

Lesson 3 ppt: anything on here is fair game for quiz

Dms_nucleus: will not be covered it was only to illustrate a point

History of unix: this is a cool paper (imho): any unix history questions would be based on textbook 10.1 not on this paper

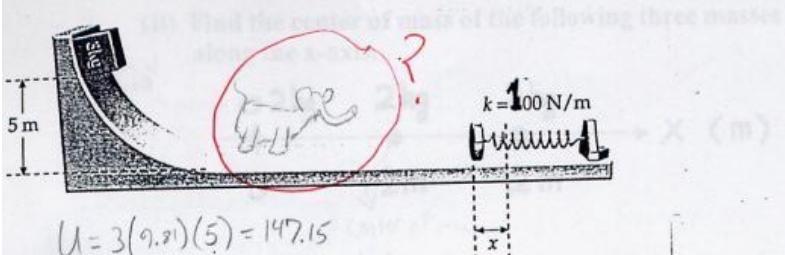
Core Dump: this was just fun reading - will not be tested unless it also was described in the textbook

Textbook chapters potentially covered: 1.1, 1.2, 1.3, 10.1, 11.1

2. A 3-kg object is released from rest at a height of 5m on a curved frictionless ramp. At the foot of the ramp is a spring of force constant $k = 100 \text{ N/m}$. The object slides down the ramp and into the spring, compressing it a distance x before coming to rest.

10 (a) Find x .

5 (b) Does the object continue to move after it comes to rest? If yes, how high will it go up the slope before it comes to rest?



$U = 3(9.81)(5) = 147.15$

$U_s = \frac{1}{2}(100)x^2 = 50x^2 \dots ?$

NO. there is an elephant in the way.

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