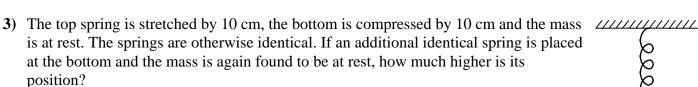
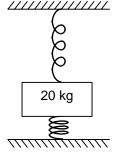
Physics 131	Name					
Recitation Instructor (circle one):	Moe	Larry	Curly	Groucho	Chico	Harpo
Class time (circle one):	10:30	11:30				

QUIZ #5

1) A force does -6.0 J of work on a system as it moves first 4.0 cm in the x-direction and then 6.0 cm in the y-direction. If the x-component of the force is 100 N, what is its y-component?

2) A 10 kg box slides down a 20° incline and then compresses a spring 10 cm before stopping for an instant. The spring constant is 8500 N/m. The initial speed of the box was 2.0 m/s. How much work was done by gravity as the box slid down the incline?





 20°