	NAME		DATE	
	Scenario  Three identical springs (A, B, unstretched length of 1.0 m at are attached on the edge of a co of 4.0 m, as shown in Figure a desk, and we are looking at object is attached to each spricenter of the hoop.	nd spring constant of 2.0 N/m rircular hoop with radius I. (The hoop is lying flat on it from above.) A small	c destruction B	r = 4.0 m
PART A:	<b>Quantitative Analysis</b> How much work was done on the spring-object system while attaching the springs to the center object?			
	Argumentation  In Figure 2, the mass has been given a horizontal displacement of 3.0 m relative to the center of the hoop by an external force. A student measures the resulting lengths of each spring, as shown on the diagram.			
ART B:	Did the external force do pos mass system?	itive work, negative work, or n	o work on the spring-	C (20 m)
	Positive work Negative work No work  In a clear, coherent, paragraph-length response, explain your choice above. $\Delta x = 3.0 \text{ m}$ Figure 2			