Sary	Potestial engo	Î	revor 4	Contheire	12445 1	21 LAB 3	(ME Status 14	
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	82.25	4 1					us & mefostile	
	80.90						- fle spring	
60.0	79.15							
65.0	77.35							
	75.75							
	74.35							
	72.85							
	71.70							
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0.00	00.30							
Unstatchel Jans: 93.90cm X = Mg + x0								
	vusion: 52		Otan			4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		
	100.09				X =	g mtx	Fon	
Potm	-66.55em				5	-3.13±0	ny Orgin	
m=(00.	.Og Unstrotald	= 93.90cm			THE RESERVE AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IN COLUMN	0.979 ±	The second secon	
Trial	Max M	Pest y	w)		χ, =	0.4712	0.00	
1	42.80 66	55			K = _3	5.13	3.134185 N/m	
2	42.95 66 5	5		8	3 x = 8 x 3	- 8, <u>g</u>		
3	40.35 (6	22			0.003.	313	.003 N/M	
4	41.10 66	55			k = 3.1	34 ± 0.00	13 N/m	
nem	41.8							
Std. Er. 0.6 print-graph-paper.com Mux moreunt = 93.90 - 41.8= [52.1 ± 0.6 cm]								
May Morenet = 93.40 - 41.0-152.1 ± 0.6 cm								

Weight Postion We get a metistale cent to the strong, qualled So. 0 82.25 and looked respectively to total the spring metistale So. 0 80.90 and received the gestion of the end of the spring 65.0 77.35	Sary	Potestial engo										
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Unstabled $3r^{2}$: 93.90cm $x = \frac{mg}{k} + x_{0}$ Max. Evasion: $\frac{1}{2}$	95.0	68.25										
Maps: 100.0g Maps: 100.0g Rota: 66.55 an	0.001	66.50										
print-graph-paper.com	Max. Extra: Mass: Potm: M=(00.1 Trial) 2 4 Them	100.09 100.09	= 93.9 55 55 55	Ocm (cm) oty zon	2410		$\frac{5}{k}$ $\frac{5}{k} = 8$ 0.00 $k = 3$	= 9 = -3 = 0. 5 -3.13 -9: 3.134	n + x ₀ 13±0 979± 10.00	3.13	4185 N/m	311
print-graph-palper.com Mey moreant = 93.90 - 41.8= 52.1 ± 0.6 cm	print-graph-pap	er.com (Ma	a M	oraint.	- 93	.90 - 4	1.8= 52	1+0	bcm			

1/2 lex2 mgh Position (an) Spring Energy (J) Grav. Energy (J) E = Ux4 + Uge = [0.1670] 0 51058 0.4253 SE= 18EUL + SEUSE SEUL1 = SUX1 [Ugt] X = 0 X = \$2.1 ± 0.6 SE- (Sune Tuge) + (Sun Tuge) $U_{kl} = 0$ $U_{kf} = \frac{1}{2} k x^2 = 0.4253$ Ug:=0 - Mgx = -0.51068 Sugar = Sugar = Sn mg (muss & g errors are SURF = TOURFK + SURFX Suit = 8x 1/2 x2 Surex = 8x. Kx Se=1 (8, 1/212)2+ (8, kx)2 + (8, mg Uxt)2 80 pt = 1(8, 1/2 x2)2 + (8, 1/2) = = 9/10 0.02 9=0.18=0.02