

a) Z[= 30-8-6 = 16 N				
Em = 2 + 4 = 6 kg				
b) $a = F$ $\frac{(6 - 8 \text{ m/s}^2)}{6 - 3}$				
m 6 3				
c) EF2 = m2a + 6N				
= 2×8 + 6N				
3				
= 5-3 + 6 N				
2 11.3 N				
d) EF, = m,a				
= 4 x 8				
3				
22 N				
= 10.6 N				
5.				
a) k= 3400 N/m				
F ₈ en				
Fs - 3400 n				
35, 6 91 - 21.05 4				
35 × 9-81 = 3400 N				
35 × 9.81				
= 0.101 m				
Spring complexes by 0 101 m				
97 J 33 J 25 10 10 10 10 10 10 10 10 10 10 10 10 10				

