## **3C Elastic Energy**

1.	An elastic string has natural length 1.4m and modulus of elasticity 6N. Find the energy stored in the string when its length is increased to 1.6m.
2.	A light elastic spring has a natural length 0.6m and modulus of elasticity 10N. Find the work done when the spring is compressed from a length of 0.5m to a length of 0.3m.
3.	A light elastic spring has a natural length 0.6m and modulus of elasticity 10N. Find the work done when the spring is compressed from a length of 0.4m to a length of 0.2m.