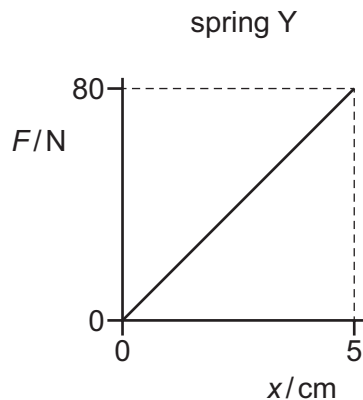
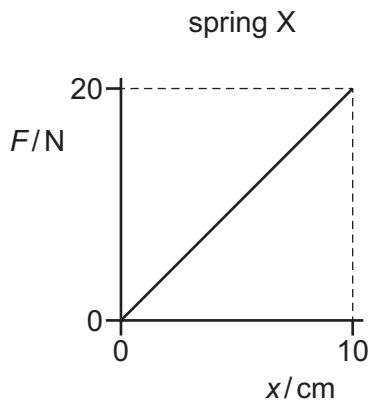


- 22** Two springs X and Y stretch elastically. The graphs show the variation with extension x of the force F applied to each spring.



Which statement is correct?

- A** When each spring is given the same extension, the energy stored in Y is 4 times the energy stored in X.
- B** When each spring is given the same extension, the energy stored in Y is 8 times the energy stored in X.
- C** When the same force is applied to each spring, the energy stored in Y is 4 times the energy stored in X.
- D** When the same force is applied to each spring, the energy stored in Y is 8 times the energy stored in X.