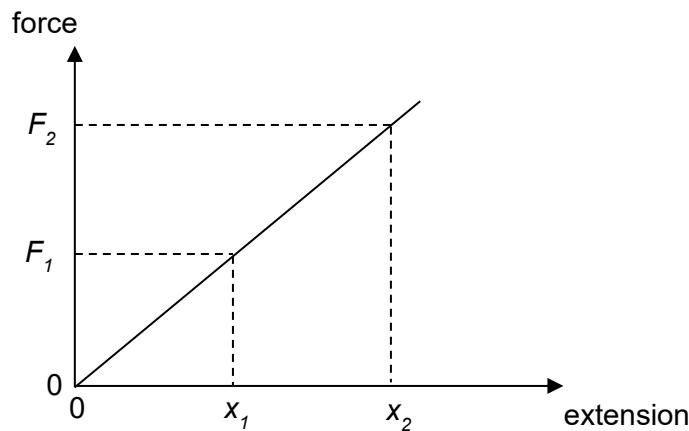


6 The force-extension graph of a spring is as shown.



What is the change in elastic potential energy when the extension of the spring is increased from x_1 to x_2 ?

A $F_2x_2 - F_1x_1$

B $0.5(F_2x_2 - F_1x_1)$

C $F_2x_2^2 - F_1x_1^2$

D $0.5(F_2x_2^2 - F_1x_1^2)$

