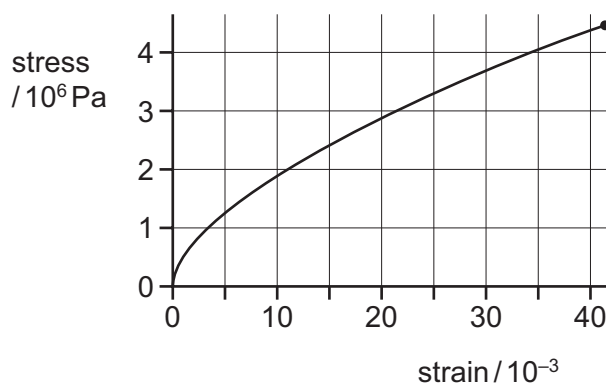


- 19 A student is investigating the mechanical properties of a metal. He applies different loads to a long thin wire up to its breaking point, and measures the extension of the wire for each load. He then plots a graph of stress against strain.



The student repeats the experiment with a wire made from the same metal, with twice the original length and half the diameter.

Which graph is obtained?

