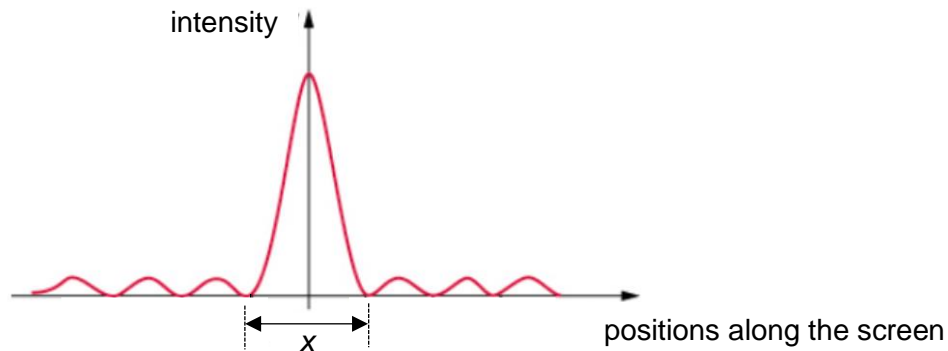


- 18** The graph shows the variation in light intensity produced on a screen when a parallel beam of monochromatic light passes through a narrow slit.



Which of the following statements is incorrect?

- A** The area under the graph is unchanged by increasing the slit width.
- B** The width  $x$  is increased by increasing the wavelength of light.
- C** The width  $x$  is increased by increasing the distance between the slit and screen.
- D** The width  $x$  is increased by decreasing the slit width.