

20 The equation  $\lambda = \frac{ax}{D}$  for double-slit interference is an approximation which can be used to determine the wavelength of light.

Which of the following conditions is necessary?

- A  $a$  is equal to  $x$ .
- B  $a$  is much greater than  $x$ .
- C  $D$  is much greater than  $a$ .
- D  $\lambda$  is much greater than  $x$ .