

**Sequence and series – A2 Mathematics P3**1. [June/2022/Paper\\_7357/03/No.1](#)State the range of values of  $x$  for which the binomial expansion of

$$\sqrt{1 - \frac{x}{4}}$$

is valid.

Circle your answer.

**[1 mark]**

$|x| < \frac{1}{4}$

$|x| < 1$

$|x| < 2$

$|x| < 4$