

1 State the values of  $|x|$  for which the binomial expansion of  $(3 + 2x)^{-4}$  is valid.

Circle your answer.

[1 mark]

$$|x| < \frac{2}{3}$$

$$|x| < 1$$

$$|x| < \frac{3}{2}$$

$$|x| < 3$$