

Variation – 2021 O Level Math D

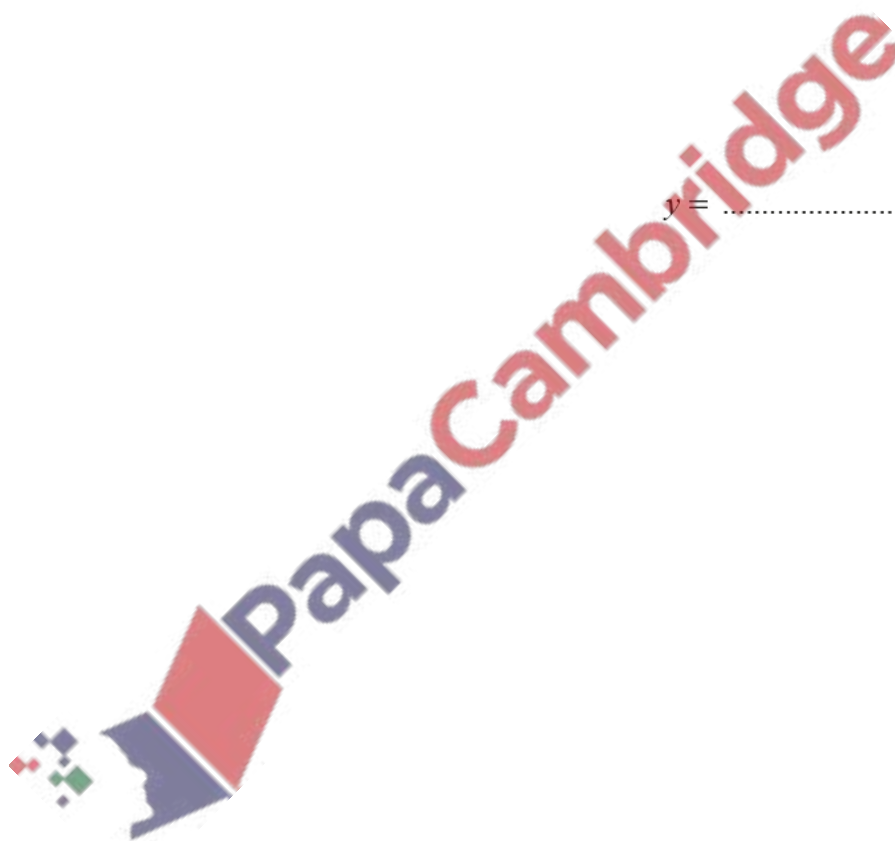
1. Nov/2021/Paper_12/No.23

y is inversely proportional to $(x + 1)^2$.

When $x = 1, y = 5$.

Find y when $x = 9$.

$y = \dots\dots\dots$ [3]

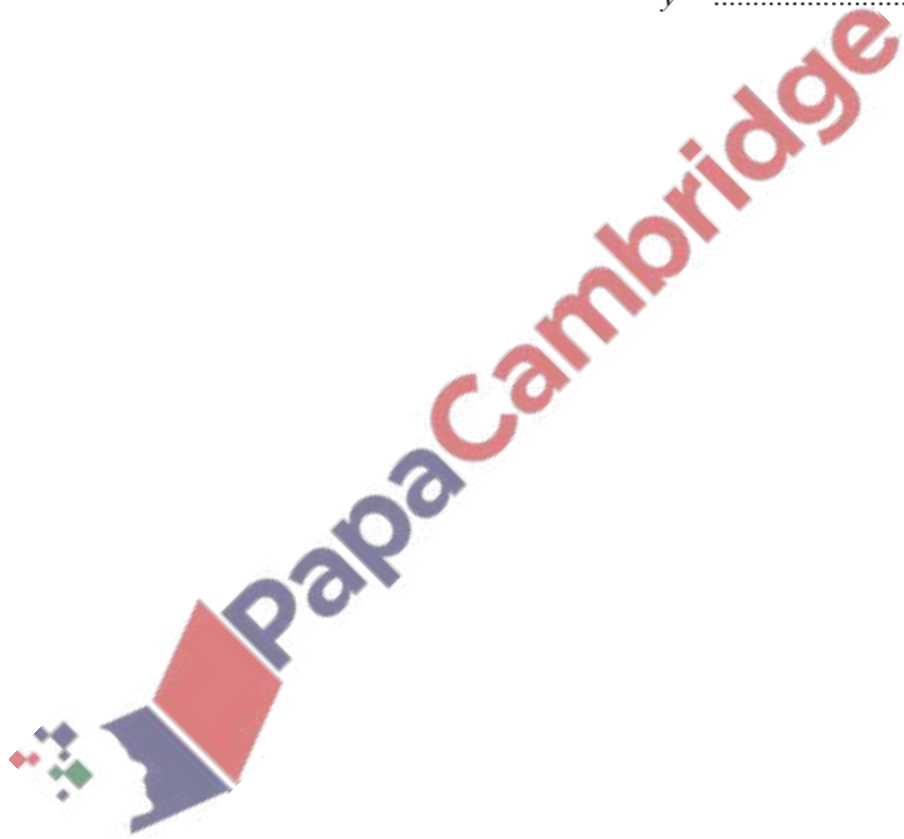


2. June/2021/Paper_11/No.19

y is proportional to $(x-1)^2$.

Given that $y = 18$ when $x = 4$, find y when $x = 6$.

$y = \dots\dots\dots$ [2]



3. June/2021/Paper_12/No.18

y is inversely proportional to the cube of x .

When $x = \frac{1}{2}$, $y = 24$.

(a) Find the formula for y in terms of x .

$y = \dots\dots\dots$ [2]

(b) Find the value of y when $x = \frac{1}{3}$.

$y = \dots\dots\dots$ [1]

