

**Variation – 2020 O Level Math D**

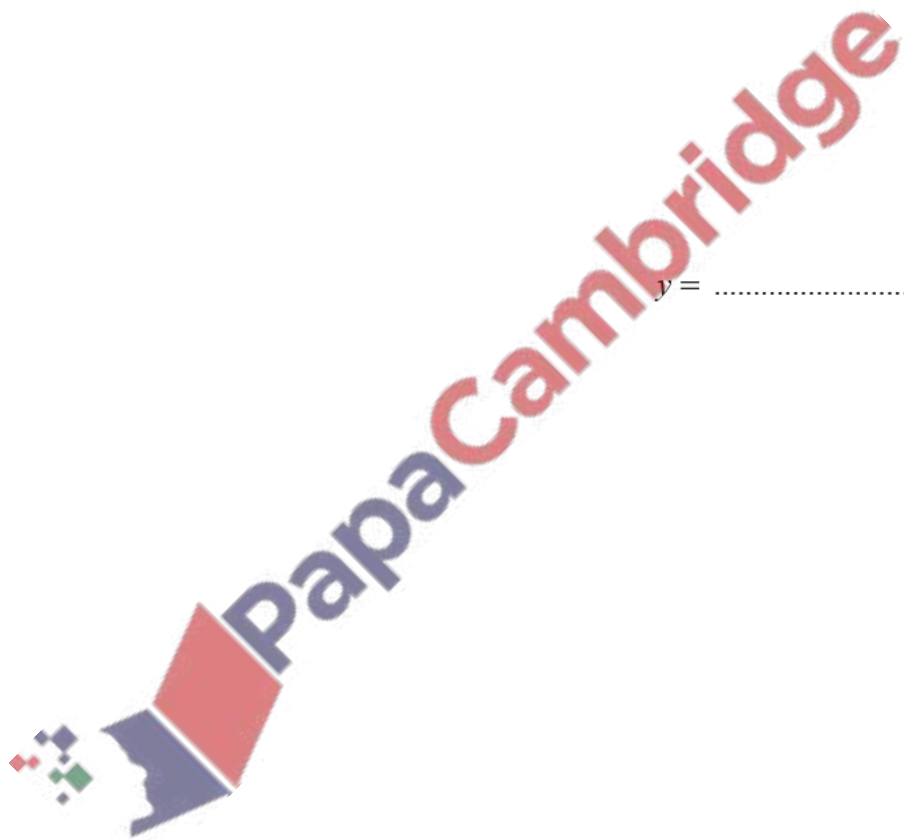
**1. Nov/2020/Paper\_11/No.5**

$y$  is directly proportional to the cube of  $x$ .

When  $x = 2$ ,  $y = 4$ .

Find  $y$  when  $x = 3$ .

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



2. June/2020/Paper\_11/No.20

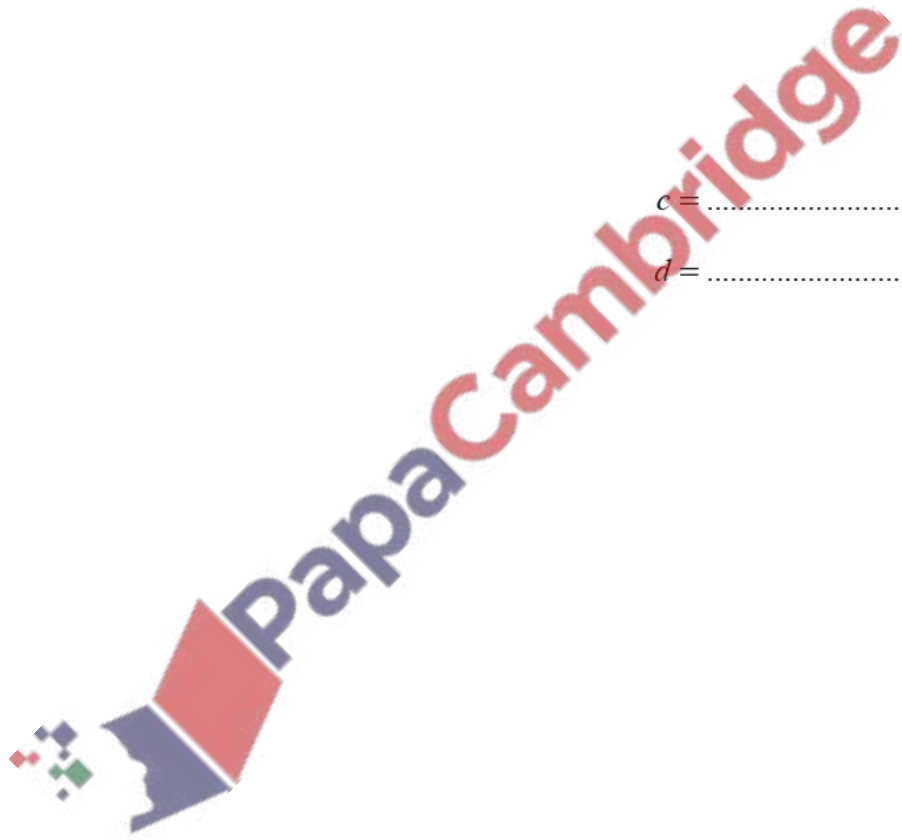
$x$	4	9	$d$
$y$	3	$c$	0.6

$y$  is inversely proportional to the square root of  $x$ .

Find the value of  $c$  and the value of  $d$ .

$c = \dots\dots\dots$

$d = \dots\dots\dots$  [3]



- (c)  $h$  is inversely proportional to the cube of  $g$ .  
 $h = 4.5$  when  $g = 2$ .

(i) Find the formula for  $h$  in terms of  $g$ .

$h = \dots\dots\dots$  [2]

- (ii) Find the value of  $g$  when  $h = \frac{32}{3}$ .

$g = \dots\dots\dots$  [2]

