

Standard form – 2022 O Level Math D**1. June/2022/Paper_11/No.14**

(a) Write 0.000863 in standard form.

..... [1]

(b) The table below shows the approximate area of some deserts.

Desert	Area in km ²
Antarctica	1.4×10^7
Arabian	2.3×10^6
Gobi	1.3×10^6
Kalahari	9.0×10^5
Sahara	9.0×10^6

(i) Write down the name of the desert with the largest area.

..... [1]

(ii) Calculate the **total** area of the Arabian and Kalahari deserts.
Give your answer in standard form.

..... km² [2]

2. June/2022/Paper_12/No.14b

(b) This is a calculation using numbers in standard form.

$$a \times 10^{-7} \div 5 \times 10^b = 4 \times 10^{-16}$$

Find the value of a and the value of b .

$a =$

$b =$ [2]

