



NATIONAL SENIOR CERTIFICATE EXAMINATION  
SUPPLEMENTARY EXAMINATION – MARCH 2017

**MATHEMATICAL LITERACY: PAPER I**

**EXAMINATION NUMBER**

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Time: 3 hours

150 marks

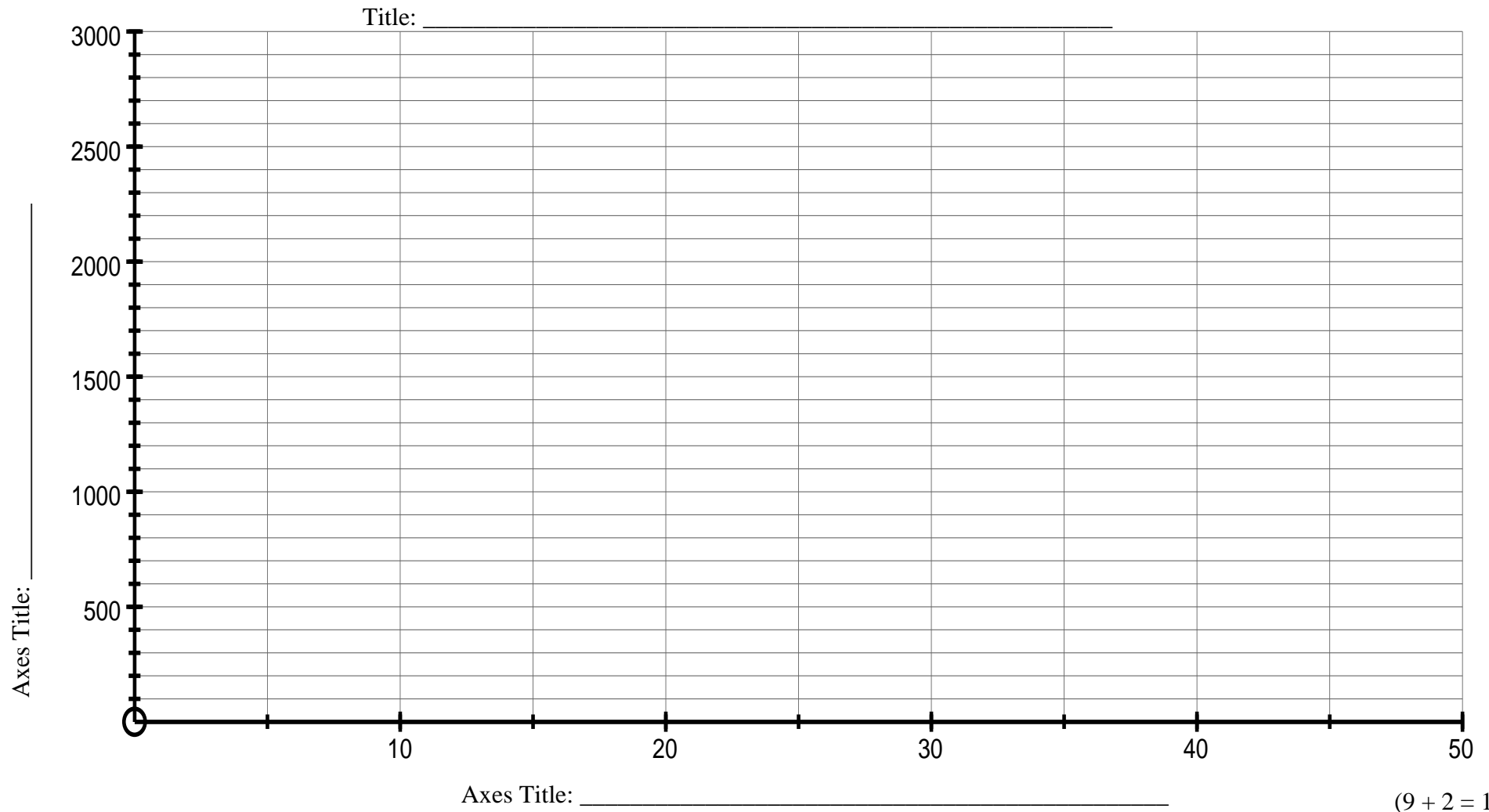
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**ANSWER SHEET**

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**QUESTIONS 1.1.2 – 1.1.5**

**QUESTION 1.1.2 AND QUESTION 1.1.3**



1.1.4 **Supplier:** \_\_\_\_\_

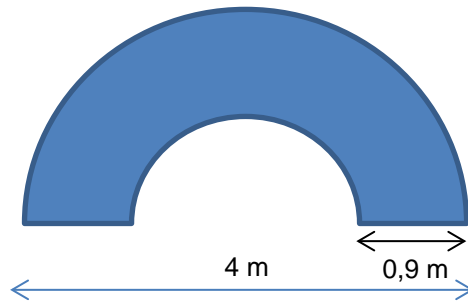
(2)

1.1.5 **Cost:** \_\_\_\_\_

(2)

**QUESTION 2.1.2**

In trying to work out the surface area of the top of the reception desk, the one salesperson does a specific calculation. Complete the calculation by filling in the missing gaps.



Radius of the outer circle =  $4 \text{ m} \div 2 = 2 \text{ m}$

Radius of the inner circle =  $(4 \text{ m} - \text{_____ m} - \text{_____ m}) \div \text{_____}$   
 = \_\_\_\_\_ m

Area of the outer circle =  $\frac{1}{2} \times \pi \times r^2$   
 =  $\frac{1}{2} \times 3,14 \times (\text{_____})^2$   
 = \_\_\_\_\_ m<sup>2</sup>

Area of the inner circle =  $\frac{1}{2} \times \pi \times r^2$   
 =  $\frac{1}{2} \times 3,14 \times (\text{_____})^2$   
 = \_\_\_\_\_ m<sup>2</sup>

Area of the top of the reception desk = \_\_\_\_\_ m<sup>2</sup> - \_\_\_\_\_ m<sup>2</sup>  
 = \_\_\_\_\_ m<sup>2</sup>

(11)

**QUESTION 5.3**

Title: \_\_\_\_\_

Axis Title: \_\_\_\_\_

Axis Title: \_\_\_\_\_

(6)