

# 868



# TUTORS

*Preparation for*

**High School  
Mathematics**

## Quadratic Graphs

Math



### Instructions and Tips:

- ✓ **You have 90 minutes to complete this worksheet**
- ✓ **This worksheet consists of 7 questions**
- ✓ **Write answers in the spaces provided**
- ✓ **All working must be clearly shown**
- ✓ **Label Graphs properly**
- ✓ **Draw Smooth Curves**



Student Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

**Question 1**

**Consider the quadratic function:  $y = x^2 + 4x + 4$ .**

<b>x</b>	<b>-5</b>	<b>-4</b>	<b>-3</b>	<b>-2</b>	<b>-1</b>	<b>0</b>	<b>1</b>
<b>y</b>				<b>0</b>			<b>9</b>

**(a) Complete the table above for:  $y = x^2 + 4x + 4$ .**



**(4 marks)**

**(b) On the graph paper on the next page, draw the graph of  $y = x^2 + 4x + 4$  using the table above. Use a scale of 2 cm = 1 unit on the x-axis and 1 cm = 1 unit on the y-axis.**

**(6 marks)**

































