



**Colegio de Sta. Rosa - Trece Martires City, Inc.**

Brgy. Conchu, Trece Martires City, Cavite

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**SECOND QUARTERLY EXAMINATION IN MATHEMATICS 6**

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

Score: \_\_\_\_\_ /50

Grade level: \_\_\_\_\_

Date: \_\_\_\_\_

**I. MULTIPLE CHOICE.**

Directions: Read each question carefully. Write the letter of the correct answer. Use small letters only.

1. Which integer is greater than  $-5$ ?
  - a)  $-7$
  - b)  $-1$
  - c)  $-9$
  - d)  $-11$
2. How many integers are there between  $-8$  and  $2$ ?
  - a)  $7$
  - b)  $4$
  - c)  $0$
  - d)  $9$
3. What is the opposite value of the integer  $6$ ?
  - a)  $-6$
  - b)  $5$
  - c)  $6$
  - d)  $-4$
4. Which of the following integers is greater than  $-1$  and lesser than  $7$ ?
  - a)  $-9$
  - b)  $5$
  - c)  $-5$
  - d)  $8$
5. How many pairs of opposite integers are there between  $-4$  and  $5$ ?
  - a)  $3$
  - b)  $8$
  - c)  $2$
  - d)  $6$
6. Identify the integer that is less than  $-3$ .
  - a)  $0$
  - b)  $-1$
  - c)  $-4$
  - d)  $2$
7. The following data shows the changes in temperatures across various cities from morning to noon.  
Which city recorded the maximum temperature?
  - a) Atlanta  $20^{\circ}\text{C}$
  - b) Chicago  $13^{\circ}\text{C}$
  - c) Boston  $12^{\circ}\text{C}$
  - d) Houston  $25^{\circ}\text{C}$

**Vision:** *Colegio de Sta. Rosa envision a community of committed Christians, who in one mind and one heart in God are morally upright, intellectually competent, service oriented, and ecology conscious.*



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8. How many positive integers are there in between -5 and 5.

- a) 11
- b) 5
- c) 4
- d) 9

9. 10 more than -7 is \_\_\_\_.

- a) -7
- b) -3
- c) 3
- d) 17

10. One integer is greater than the other by 6. If one number is -20, then the other number is \_\_\_\_.

- a) -26
- b) -14
- c) -20
- d) None of these

## II. SOLVE.

Directions: Solve the following by using GEMDAS. Use a separate sheet of paper for your solutions. Type only the correct answer.

11-15.  $9^2 \times 3 \times 1 - 3$

16-20.  $7^3 + 6^3 \div 1 \times 5$

21-25.  $9 \times 5 + 2^3 - 9$

26-30.  $6^2 + 9 \div 6^2 \times 12 \div 1$

## III. PROBLEM-SOLVING

Directions: Solve the following problems. Use a separate sheet of paper for your solutions. Write only the final answer in the blank.

31-35. The population of a town was 25,000 in the 2000 census and 30,000 in the 2010 census. By what percent did the population increase?

\_\_\_\_\_

36-40. Sales tax in a certain community is 7%. If the sales tax on a new car was \$1400, what was the selling price of the car?

\_\_\_\_\_

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41-45. Mr. Jones receives 10% commission on each sale that he makes. He earned \$450 last week in commissions. How much were his sales?

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46-50. A store owner paid \$120 wholesale price for a suit. He needs to make a 35% profit on the sale of the suit. By how much should he markup the price of the suit to make his desired profit?

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