

**Colegio de Sta. Rosa – Trece Martires City**

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Email Add: [colegiodessta.rosatrece@yahoo.com](mailto:colegiodessta.rosatrece@yahoo.com)**THIRD UNIT TEST IN MATHEMATICS 7**

Name:

Date:

Grade&amp;Section:

Score: /45

I. Label each of the following as an expression, linear equation or non-linear equation. Type your answer on the blank provided before each number. Use small letters only.

1.  $x + 5 = 4 - 7$
2.  $2x + 3x = 5$
3.  $x + 46$
4.  $4x^4 + 2 = -3$
5.  $5x - 2x^2 + 4 = 8$
6.  $6xy + 3 = 9$
7.  $x + 2xy = 1$
8.  $x + 77 = 3y - 10$
9.  $x + y = 2$
10.  $x^2 + y^2 = r^2$

II. State the property of equality illustrated by each of the following statements. Type your answer on the blank provided before each number. Use small letters only.

- 11-12. If  $x = d$  and  $d = y^5$ , then  $x = y^5$
- 13-14. if  $t = 9$ , then  $9 = t$
- 15-16. if  $abc = de$ , then  $de = abc$
- 17-18.  $g = g$
- 19-20. if  $x + 1 = y$  and  $y + z = 7$ , then  $x + 1 + z = 7$
- 21-22. if  $h = k$  and  $k = i$ , then  $h = i$
- 23-24. if  $d = e$ , then  $d + f = e + f$
- 25-26.  $a + b + c = a + b + c$
- 27-28. if  $j = 6$ , then  $4j = 24$
- 29-30. if  $x + y = a$  and  $a + b = 11$ , then  $x + y + b = 11$

III. Find the solution of the following linear equations. Type only the final answer inside the box.

31-35.  $4x + 5 = 2x + 11$

36-40.  $2x + 13 = 5x - 2$

41-45.  $3x + 2x - 87x + 22$

**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.