



Colegio de Sta. Rosa – Trece Martires City

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THIRD UNIT TEST IN MATHEMATICS 7

Name:

Date:

Grade&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. $3x + 2x - 87x + 22$