Colegio San Miguel Arcángel
Math Department
6th grade

Graded Classwork

Algebra

Name: _____ Date: _____

Points: _____/26

I. Make a line to connect each equation with its solution.

1) $x - 13 = 5$

2) $20x - 18x = 7 + 5$

3) $3x + 2 = 2x + 10$

4) $9x + 1 = 6x + 28$

$x = 2$

$x = 9$

$x = 0$

$x = 6$

$x = 8$

$x = 18$

II. Simplify these algebraic expressions.

1) $12 + 8d - 2d + 8 =$

2) $6g - 3g + 20 - 1 =$

3) $7a - 4 + 13a =$

4) $9x - x + 11 - 5x =$

5) $35 + 3c - 5 + 5c =$

6) $7x - x + 24 - 18 =$

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III. Give an algebraic expression for each of the following:

1) Subtract p from 23	7) 11 times c
2) 15 divided by k	8) Add 8 to z
3) 9 more than h	9) Thrice as many as p
4) 8 groups of m	10) 3 less than a
5) Twice as many as g	11) Multiply 9 by d
6) Half of d	12) 5 groups of r

IV. Find the value of the following expressions:

1) $\frac{5p + 3}{6}$, when p = 3	2) 25 – 4x, when x = 5
3) $\frac{7m}{2} - 7$, when m = 4	4) (12 – y) + 5, when y = 9

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