Milano The New School for Management and Urban Policy Math Skills Self-Test Fall 2012

- A. For each item, simplify the expression in terms of a, b and c. e.g. -(-a) = +a
- 1. –[a-(b-c)] =
- 2. c(a+b) =
- 3. $\underline{a} + \underline{b} = c + c = c$
- 4. $\underline{a} = (b+c)$

5.
$$\underline{a}_{(b/c)} =$$

- B. Repeat the above exercise assuming that a = 5, b=7 and c=9, to obtain a numerical answer.
- C. Repeat the above exercise assuming that a = 5, b=7 and c=(-9), to obtain a second numerical answer.
- D. Manipulate the following equation to answer the questions below. 6. If $a = (b-5)/c \dots$ What is the value of b in terms of a and c? (Solve for b.) What is the value of b, if we assume that a=1 and c=(-8)?
- E. Using the information in the table below, solve the problems that follow.

X	У
1	20
5	10
2	2
1	12
	$\frac{x}{1}$ 5 2 1

11. $\sqrt{\sum x^2} =$

7. 8. 9. 10.

- 12. $(\sum x)(\sum y)=$
- 13. $\sum xy=$ 14. $\sum (x-y)/n=$
- 15. $\sum x/n \sum y/n =$

*Completed tests should be emailed to reichv@newschool.edu *