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

Quiz: Review.

Practice

Chapters 1 and 2

Group A.

There are 5 questions in this quiz, each of equal value.

Standard time for the test is 15 minutes .

No calculator is allowed. (accommodation excepted)

**Question 1:**

Simplify.

$$2x-\left\{4\left[\left(3-x\right)-\left(x-2\right)\right]-2x\right\}$$

**Question 2:**

Solve for y.

$$8-4y=3(2-y)$$

**Question 3:**

Solve for x.

Present your solution in graphic way (number line) and in set notation ( " $x\in $ " ).

$4\left(2-x\right)<12$ and $4\left(2+x\right)\leq 12$

**Question 4:**

Solve for x.

Present your solution in graphic way (number line).

$$8-2\left|x-3\right|\leq 4$$

**Question 5:**

Choose any number. Double it. Subtract six and add the original number. Now divide by three. Repeat this process with other numbers, until a pattern develops. By using a variable such as x in place of your number, show that the pattern does not depend on which number you choose initially.

=== End ====