Name:_____   Block:___

Quiz: Review.
Chapters 1 and 2
Group A.

There are <u>5 questions</u> in this quiz, each of equal value.
Standard time for the test is <u>15 minutes</u> .
No calculator is allowed. (accommodation excepted)

Question 1:
Simplify.

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

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 (" $x \in$ ").

$$4(2 - x) < 12 \qquad \text{and} \qquad 4(2 + x) \leq 12$$

Question 4:

Solve for x.
Present your solution in graphic way (number line).

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

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 ====