

Name: _____

Block: _____

Quiz: Review. 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.

$$3 + \{ 5x - 4[(5 - x) - (7 - 3x)] \} + 2x$$

Question 2:

Solve for y.

$$5y - 6 = 4(3 - y)$$

Question 3:

Solve for x.

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

$$3(2 - x) < 12 \quad \text{and} \quad 3(1 + x) \leq 12$$

Question 4:

Solve for x.

Present your solution in graphic way (number line).

$$2|x - 3| + 3 \geq 7$$

Question 5:

Choose any number. Subtract three from the number. Double the result, then 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 ===