Name:_____ Block:___

Quiz: Review (II). Chapters 1 and 2

Group A.

The real thing!

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.

$$5 - [(x - 2) - (4 + 4x)] \div 3 - 3x$$

Question 2:

Solve for x.

$$6 - (x + 2) \cdot 2 = 22 - 4(2x - 1)$$

Question 3:

Simplify the following expressions so they include only positive exponents.

1. $(3x^{-3})^2$

2. $\left(\frac{-4}{x^4}\right)^{-2}$

3. $(5 \cdot 10^{-3}) \times (3 \cdot 10^{7})$

Question 4:

Simplify the following expression so it includes only positive exponents.

$$\left(\frac{x^2 \cdot 3 \cdot y^{-2}}{6 \cdot x^{-3} \cdot y^{-3}}\right)^3$$

Question 5.a:

Solve the equation $S = 5 + vt$, for v.

Question 5.b:

Solve the equation $E = xT - 2yT$, for T.

=== End ====