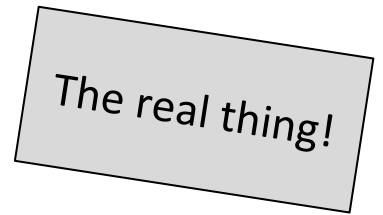


Name: \_\_\_\_\_

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

Quiz: Review (II).  
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.

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

**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 ===