Algebra Test 2 Study Guide

Name: _____

Color Group:_____

1) Know your Properties! Write them and their definitions here.

2) Be able to convert a math sentence into an algebraic expression

eg: Twice a number plus 5

The product of X and 5

The ratio of a number and 15

3) Know the difference between an algebraic expression, an equation, and an inequality. Explain using the space provided

4) Be able to solve one step equations.

eg: x+11= 16

2x = 10

5) Be able to plug in a value for X and Y in order to solve the algebraic Expression

eg: X = 3, y=10

X+5=10

2x + y

5x

10 + y

6) Simplify the following by combining like terms

3x+4+5y+10x

4x+5y-3x+y +y +x +15 +20

7) Solve and Graph the inequalities.

3x>5

x/4<16

-3x≥15

6+y<30