Name: $\qquad$
Color Group: $\qquad$

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: $x+11=16$
$2 x=10$

$$
\begin{aligned}
& x / 4=14 \\
& x+20=15
\end{aligned}
$$

5) Be able to plug in a value for $X$ and $Y$ in order to solve the algebraic Expression
eg: $X=3, y=10$

$$
X+5=10
$$

$2 x+y$
$5 x$
$10+y$
6) Simplify the following by combining like terms
$3 x+4+5 y+10 x$
$4 x+5 y-3 x+y+y+x+15+20$
7) Solve and Graph the inequalities.
$3 x>5$
$\mathrm{x} / 4<16$
$-3 x \geq 15$
$6+y<30$

