In class work 1

1. Translate the following sets into English and list their parts.
	1. $\left\{x \right| x is a color of the rainbow\}$
	2. $\left\{x \right|x is an odd number between 0 and 10\}$
2. Compute $2-5·4-[6 ·\left(3-4\right)]$.
3. Compute $10-[6-2·2+\left(8-3\right)]·2$.
4. The fact that $2x + 3x = (2+3)x$ is a consequence of the \_\_\_\_\_\_\_\_\_\_ Property.
5. “The product of $5$ and $x+3$ equals $6$” may be written in algebraic symbols as \_\_\_\_\_\_\_\_\_\_\_.
6. Use the distributive property to simplify: $3(\frac{2}{3}x+\frac{1}{6})$.
7. Explain how the distributive property is used to justify $2x+3x=5x$.
8. Explain why $2(3·4)$ is not equal to $(2·3)·(2·4)$.
9. Explain why $\frac{4+3}{2+5}$ is not equal to $\frac{4}{2}+\frac{3}{5}$.