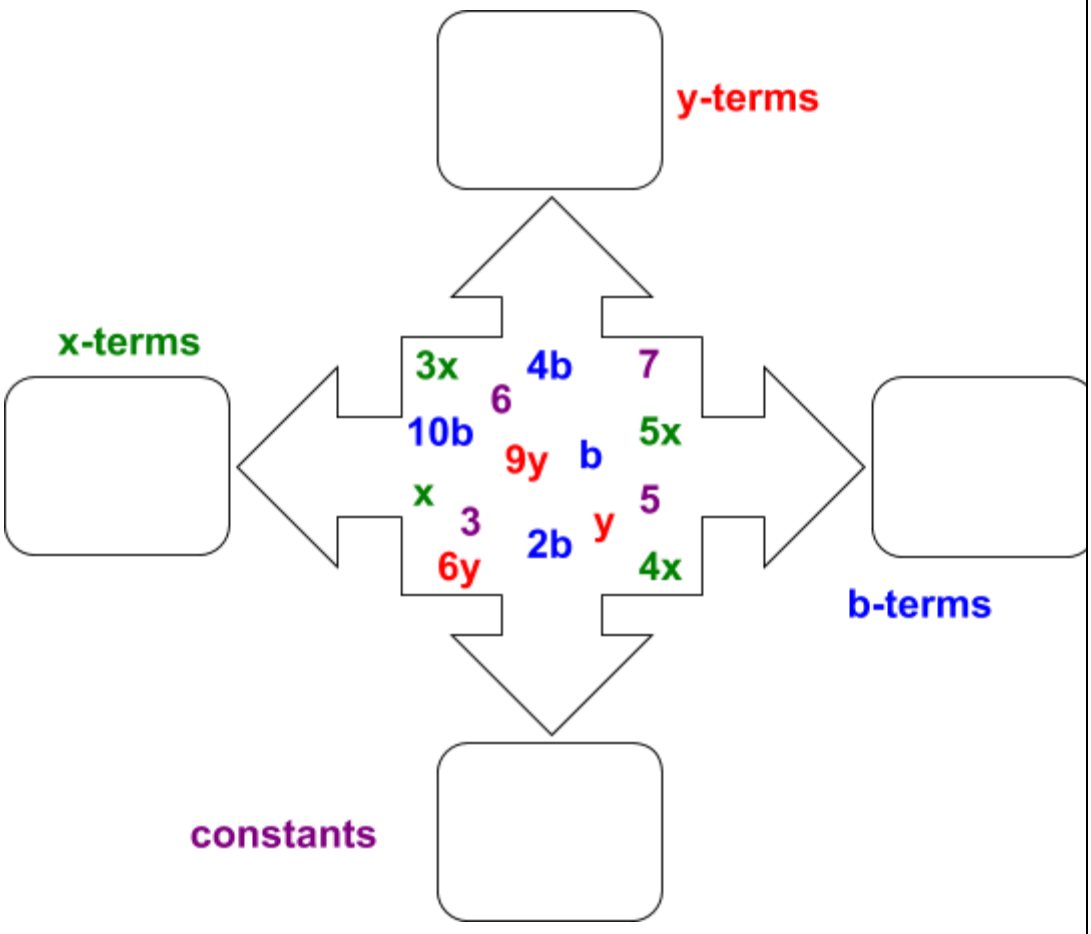
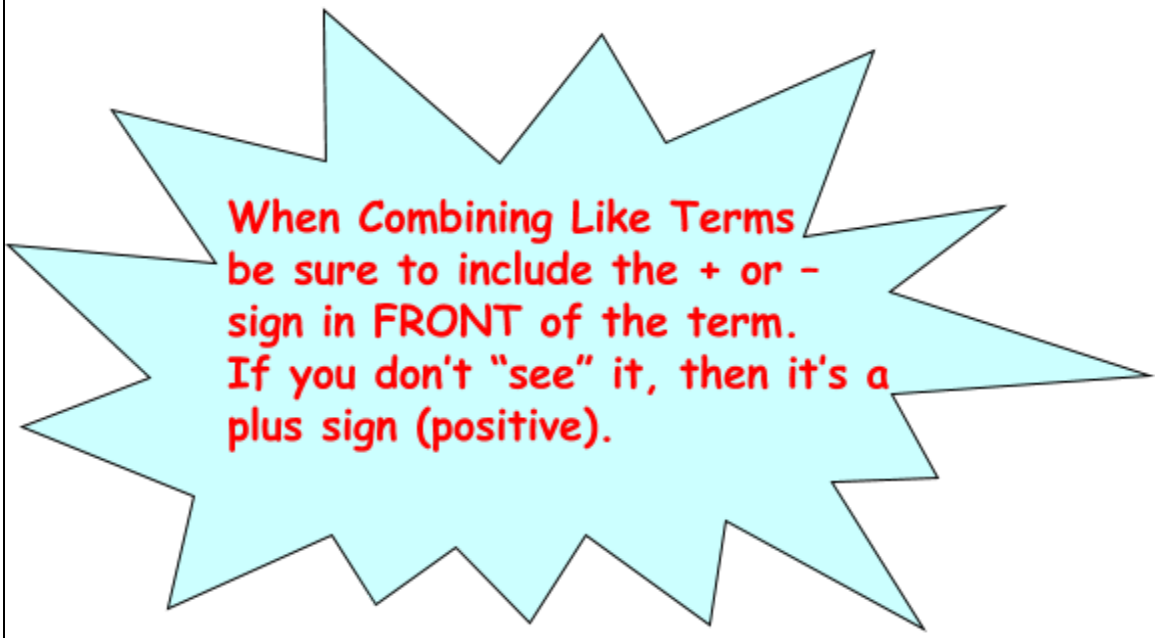
What is a _____?	• A constant is a _____that does not change. ○ ie)
What is a _____?	• A variable is a _____ that stands for a value (or number) that may change/vary. ○ ie)
What is a _____ _____?	• A _____ _____containing _____, _____, and operational symbols (+, −, ·, ÷)
So…What's a _____?	• In a variable expression, TERMS are separated by addition or subtraction signs. ○ a + 2b + 5c – 6 has 4 TERMS o 2x+3y-98 has _____ terms • Therefore, a TERM can be one of three things: ○ _____ (or Numbers) ▪ 2, 3, 5, 9 ○ Variables (or _____) ▪ a, b, x, y ○ The _____(multiplication) of constants and variables ▪ a, 2b, 7c, 12d, 5x, y ❖ The number that multiplies the variable is called the _____.

What are <u>LIKE TERMS</u>?	❖ All _____ (or numbers) are "Like Terms" ○ 18, 2, 17, 35 ❖ "Like Terms" have _____VARIABLES: ○ 2a, 3a, 9a, a ○ b, 8b, 13b, 2b ○ 5c, 9c, 2c, c ○ 6xy, 5xy, 12xy, xy ○ $9x^2$, $4x^2$, $18x^2$ ❖ Activity: Separate the terms within the box into their corresponding circles to form "Like Terms" 

How to <u>COMBINE LIKE TERMS</u>?	1. Assign a color/shape to a group of <u>LIKE TERMS</u> 2. Circle the <u>LIKE TERMS</u> ○ Include the SIGN in FRONT of the Term.  ○ The sign in FRONT of the term determines if addition or subtraction will be used to <u>COMBINE LIKE TERMS</u>. 3. COMBINE LIKE TERMS
Examples of Combining Like Terms:	• The sign in front of the term determines if we add or subtract the "Like Terms." 1. 3x + 9 + 2x – 8 = 5x – 1 2. 10 + 12y + 2 – 8y = 12 + 4y or 4y + 12