**Like Terms:**

**Key ideas**

* **A term consists of numbers and pronumerals combined with multiplication or division**
	+ **Eg.**
		- $5$ **is a term,** $x$ **is a term,** $9a$ **is a term,** $abc$ **is a term,** $\frac{4xyz}{3}$ **is a term.**
* **Like terms contain:**
	+ **The same letter(s);**
	+ **To the same power;**
	+ **Not necessarily in the same order**
		- $2ab$ **and** $5ab$ **are like terms**
		- $x^{3}$ **and** $x$ **are not like terms**
		- $7abc$ **and** $4cab$ **are like terms**

* **Like terms can be added or subtracted from each other to simplify an expression**
	+ $3ab+$$2ab=5ab$
	+ $11s-s=10s$
	+ $4x-2y+5x=9x-2y$

**Example 1**

**Determine if the following pairs are like terms**

* $3x$ **and** $2x$
* $3a$ **and** $3b$
* $2ab$ **and** $2a$
* $7y^{2}$ **and** $2y^{2}$

**Example 2
Simplify the following**

* $7x-2x=$
* $3ab+ba=$
* $4x+3y+2x+7y=$
* $4ab+3b-2ab+4b=$