ls
l

4.2 Adding and	a Subtracting Forymormals
Like Ter	be the same size and shape
eg.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	$\frac{1}{x} = \frac{1}{x} = \frac{1}$
	$-x^2+x+1$
Like	Terms have the same variable(s) with the same exponent(s)
	1. 20, 40, -30 -> LIKE
O	2. 80, -50, ± 50, NOT LIKE
	3. Pg, 9gp -> LIKE
	4. 200, 200 NOT LIKE
ONLY	LIKE TERMS may be added or subtracted!

ex. 1.
$$2x + 3x = 5x$$

2. $4a - a = 3a$
3. $5m - 2p + 3m - 6p$
 $= 5m + 3m - 2p - 6p$
 $= 8m - 8p$
4. $2t^{2} + 4t - 8t - 7t^{2}$
 $= 2t^{2} - 7t^{2} + 4t - 8t$
 $= -5t^{2} - 4t$
5. $8c - 3m - 5c + 7m$
 $= 8c - 5c - 3m + 7m$
 $= 3c + 4m$

6.
$$(2a+5) + (3a-2)$$

= $2a+5 + 3a-2$
= $5a+3$

wipe out
the ()
and +
like
terms

ferms

$$= 5a + 3$$

7.
$$(a-2)+(4a-6)$$

$$= 5a - 8$$

$$| \longrightarrow -|$$

$$-a \rightarrow a$$

$$\partial t - 1 \rightarrow -2t + 1$$

8.
$$(3x-4) = (3x+3)$$

$$= 3x - 4 - 2x - 3$$

$$=\chi-7$$

9.
$$(5x^2-x)$$
 $(5x^2-3x)$ change signs

$$= 5x^2 - x - 2x^2 + 3x$$

$$= 3x^{2} + 2x$$

$$= (6x^{2} + 4) - (7x^{2} + 2)$$

$$= 6x^{2} + 4 - x^{2} - 2$$

$$= 5x^{2} + 2$$

$$= 107 + 1,2,5,6,8-10,13-17,19$$