Unit 5 Day 1 5-1 Polynomials - Like Terms

Algebraic Teim: ex. X, 4) L, -7 X, 3 Xy

Each term consists of a product of factors.

Factors can be: a) constants (eg. 2, -4, 7)

b) variables (x, y, a, b)

Combining Like Terms: Think of fruit
Like terms can be combined.
Unlike terms cannot.

Like/Unlike Terms Simplify $2)(^{2}-4)(^{2}$ Like $-2\chi^2-4\chi$ 2x2-4x Unlike Like 3x+x5ab2-a26 5ab2-ab Unlike Like 5ab2-5b2a 5ab2-5ab2

$$1) 8x - 3x = 5x$$

2)
$$-2\chi^{2}+9\chi^{2}=7\chi^{2}$$

4)
$$3\chi - 7\chi + 5$$

= $-4\chi + 5$

6)
$$5ab^2 - 6a^2b + 3ba^2$$

= $5ab^2 - 6a^2b + 3a^2b$
= $-3a^2b + 5ab^2$
($5ab^2 - 3a^2b$)

7)
$$(5\chi - 3y) + (3\chi + y)$$

= $5\chi - 3y + 3\chi + y$
= $8\chi - 2y$

8)
$$(5x-3y)-(2x-4y)$$

= $5x-3y-2x+4y$
= $3x+y$

Practice 5-1