Algebra I
4-2
Polynomials
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The following equation is an example of a:_____

$$3x^3y + 5x^2y^2 - 7xy^3$$

Which of the following are <u>Like terms</u>-
(Circle the ones you think)

6	$-4y^3$	$7x^2y^3$
$-7x^2$	$8x^2y^3$	$-9x^3y^2$
$9xy^3$	$-15y^2x^3$	$8x^2$

Definition:

<u>Simplify</u>-

Examples:

Copy each polynomial and underline like terms. Then simplify.

1) $3x - 2y - x - 3y$

Add.

9) $5y - 3$
   $2y + 9$
   _____

21-30. In exercises 9-18, subtract the lower polynomial from the upper one.

21)

Solve.

53) $(2y^2 - 2y + 6) - 2(y^2 - 3y + 5) = 11$