

Do Now

Evaluate if $a = -3$ and $b = -2$

1) $3a + b^2$

2) $4a - b^3$

4.2

Adding and Subtracting Polynomials

Monomials

5

$2y$

$4a^3b$

Binomials

$5 + 2a$

$2y - 5z$

$4a^3b - c$

Trinomials

$2a - 5b + 7$

$4x + 2y - 5z$

$4a^3b - c + 6d$

Parts of Monomials

Coefficient \rightarrow $2y^3$ \leftarrow **Degree**

Adding and Subtracting...

$$(3x^2y + 4xy^2 - 2y^3 + 3) + (x^2y + 3y^3 - 4)$$

Adding and Subtracting...

$$(3x^2y + 4xy^2 - 2y^3 + 3) + (x^2y + 3y^3 - 4)$$

Adding and Subtracting...

$$(3a^2 + 2ab - 2b^2 - 7) - (-a^2 - 5ab - 4b^2 - 2)$$

Adding and Subtracting...

$$(3a^2 + 2ab - 2b^2 - 7) - (-a^2 - 5ab - 4b^2 - 2)$$

Rectangle Problems

