



# Rajarshi Gurukul

Sallaghari, Bhaktapur -17, Nepal

Name:

Grade:

Drag and add the following algebraic terms:

a)  $x + 5$  and  $x + 3$

Solution:

b)  $2a^3 - 4b^3$  and  $6a^3 + b^3$

Solution:

c)  $x^2 + y^2$  and  $3x^2 + 4y^2$

Solution:

d)  $3a^2 - 4ab - 2b^2$  and  $7ab - 4a^2 + 6b^2$

Solution:

$x + 5 + x + 3$

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

$(2a^3 - 4b^3) + (6a^3 + b^3)$

$3a^2 - 4ab - 2b^2 + 7ab - 4a^2 + 6b^2$

$x^2 + 3x^2 + y^2 + 4y^2$

$x + x + 5 + 3$

$x^2 + y^2 + 3x^2 + 4y^2$

$2a^3 - 4b^3 + 6a^3 + b^3$

$(3a^2 - 4ab - 2b^2) + (7ab - 4a^2 + 6b^2)$

$2x + 8$

$4x^2 + 5y^2$

$8a^3 - 3b^3$

$(x+5) + (x + 3)$

$2a^3 + 6a^3 - 4b^3 + b^3$

$3a^2 - 4a^2 - 4ab + 7ab - 2b^2 + 6b^2$

$- a^2 + 3ab + 4b^2$

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