

Name _____

Date _____

Binomial Theorem for Expansion - Matching Worksheet

Match the binomials to their expanded form.

_____ 1. $(3x + 2y)^3$

a. $216x^3 + 756x^2y + 882xy^2 + 343y^3$

_____ 2. $(4x + 8y)^2$

b. $64x^3 + 144x^3y + 108xy^2 + 27y^3$

_____ 3. $(7x + 2y)^4$

c. $x^2 + 4xy + 4y^2$

_____ 4. $(6x + 7y)^3$

d. $27x^3 + 54x^2y + 36xy^2 + 8y^3$

_____ 5. $(8x + 6y)^2$

e. $81x^4 + 216x^3y + 216x^2y^2 + 96xy^3 + 16y^4$

_____ 6. $(3x + 2y)^4$

f. $2401x^4 + 2744x^3y + 1176x^2y^2 + 224xy^3 + 16y^4$

_____ 7. $(4x + 3y)^3$

g. $9x^2 + 24xy + 16y^2$

_____ 8. $(6x + 8y)^2$

h. $16x^2 + 24xy + 9y^2$

