

Name _____

Date _____

Proving Polynomial Identities - Matching Worksheet

Match the binomial in the left column with its square in the right column.

_____ 1. $(4p - 10r)^2$

a. $49x^2 + 196x + 196$

_____ 2. $(12x - 5y)^2$

b. $100 + 40x + 4x^2$

_____ 3. $(7k + 9)^2$

c. $16p^2 - 80pr + 100r^2$

_____ 4. $(2x - 12)^2$

d. $9j^2 - 30jh + 25h^2$

_____ 5. $(3j - 5h)^2$

e. $64n^2 - 176nm + 121m^2$

_____ 6. $(10 + 2x)^2$

f. $144x^2 - 120xy + 25y^2$

_____ 7. $(7x + 14)^2$

g. $81m^2 - 72mk + 16k^2$

_____ 8. $(5x - 10y)^2$

h. $4x^2 - 48x + 144$

_____ 9. $(8n - 11m)^2$

i. $25x^2 - 100xy + 100y^2$

_____ 10. $(9m - 4k)^2$

j. $49k^2 + 126k + 81$

