Algebra II
Factored and Expanded Forms - Matching

Name _____
Hour _____

Match each factored form with its expanded form.

_____1. $5x(x + 3)$

_____2. $10(x - y)$

_____3. $x^2(2x + 6)$

_____4. $15(2x + 1)$

_____5. $3x(x^2 + 5x - 4)$

Match each expanded form with its factored form.

_____6. $x^2 - 9$

_____7. $x^2 - 4$

_____8. $x^2 - 1$

_____9. $x^2 - 25$

_____10. $4x^2 - 9$

Match each factored form with its expanded form.

_____11. $(x + 3)^2$

_____12. $(x - 5)^2$

_____13. $(x - 1)^2$

_____14. $(2x + 3)^2$

_____15. $(x + 2)^2$

Match each expanded form with its factored form.

_____16. $x^2 + 3x - 18$

_____17. $x^2 + 7x + 10$

_____18. $x^2 - 6x + 8$

_____19. $2x^2 - 11x - 6$

_____20. $3x^2 - 11x - 20$

a. $x^2 + 6x + 9$

b. $3x^3 + 15x^2 - 12x$

c. $4x^2 + 12x + 9$

d. $30x + 15$

e. $5x^2 + 15x$

f. $x^2 - 2x + 1$

g. $x^2 + 2x + 4$

h. $x^2 - 10x + 25$

i. $10x - 10y$

j. $x^2 + 4x + 4$

k. $2x^3 + 6x^2$

l. $(x + 6)(x - 3)$

m. $(x - 1)(x + 1)$

n. $(x + 3)(x - 3)$

o. $(x - 4)(x + 2)$

p. $(2x + 1)(x - 6)$

q. $(x + 5)(x + 2)$

r. $(x - 2)(x + 2)$

s. $(2x + 3)(2x - 3)$

t. $(3x + 4)(x - 5)$

u. $(x - 4)(x - 2)$

v. $(x + 5)(x - 5)$