

Name _____

Partner Puzzle
Unit 7



Multiply or distribute:

N 1) $(x+3)(x+9)$

$$x^2 + 12x + 27$$

O 2) $(5x-1)(x-6)$

$$5x^2 - 1x - 30x + 6$$
$$5x^2 - 31x + 6$$

B 3) $(x-8)^2$

$$x^2 - 16x + 64$$

A 4) $(x+4)(2x-2)$

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

N 5) $(x+3)(x-3)$

$$x^2 - 9$$

I 6) $(3x+2)(5x+3)$

$$15x^2 + 10x + 9x + 6$$
$$15x^2 + 19x + 6$$

N 7) $(x+6)(x-2)$

$$x^2 + 4x - 12$$

W 8) $(x+5)^2$

$$x^2 + 10x + 25$$

S 9) $(x-2)(x+10)$

$$x^2 + 8x - 20$$

A 10) $(x+1)(x-1)$

$$x^2 - 1$$

K 11) $(3x+3)(3x-3)$

$$9x^2 - 9$$

Where does a snowman keep his money?



I $\frac{\quad}{15x^2 + 19x + 6}$

N $\frac{\quad}{x^2 + 4x - 12}$

A $\frac{\quad}{x^2 - 1}$

S $\frac{\quad}{x^2 + 8x - 20}$

N $\frac{\quad}{x^2 - 9}$

O $\frac{\quad}{5x^2 - 31x + 6}$

W $\frac{\quad}{x^2 + 10x + 25}$

B $\frac{\quad}{x^2 - 16x + 64}$

A $\frac{\quad}{2x^2 + 6x - 8}$

N $\frac{\quad}{x^2 + 12x + 27}$

K $\frac{\quad}{9x^2 - 9}$!