Matrix Worksheet

Your Name: _____

Title: _____   Composer: _____

Pitch Assignment Grid

Numbers of the Chromatic Scale	0	1	2	3	4	5	6	7	8	9	10	11
Chromatic scale starting from first P^0 note												

(The note name for 11 should be ½ step below the note name for 0)

	I^0	I	I	I	I	I	I	I	I	I	I	I	
P^0													R^0
P													R
P													R
P													R
P													R
P													R
P													R
P													R
P													R
P													R
P													R
P													R
	RI^0	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI	

P = **Prime** – the primary order of notes around which the piece is built

I = **Inversion** – a mirror image upside down of the intervals of the Prime form

R = **Retrograde** – the notes of each Prime form, but in reverse order

RI = **Retrograde-Inversion** – the intervals of the Prime form both upside-down and backward.

Numbers 0 to 11 after each: How many half steps above the prime note each row or column is. The matrix represents all 12 possibilities of P, I, R, and RI.