Practice: I	Roman Nun	neral Transi	tional Metal Com	npound F	ormulas.	name: _						
Naming rules: metal cation first, if there is more than one + Periodic Table, you must use a RN (Roman Numeral). The RN matches the cation charge. Nonmetal anions on Periodic table change their endings to –IDE.						number in the top right corner of the box on the						
						+2	+3	+4	+5	+6	+7	
						II	III	IV	V	VI	VII	
Never cha	nge the nar	mes of polya	atomic anions.		<u> </u>		1	L				
Look over	these exan	nples, do the	e bottom, <u>ALWA</u>	YS write	out the i	ons.						
Easy	Cation	Anion	Formula		Stock Names							
	Ag^{+1}	Cl ⁻¹	AgCl		Silver chloride, no RN needed here							
	Ti ⁺²	O ⁻²	TiO	ŕ	Titanium II oxide, RN for Ti ⁺² is the RN II, this is 1:1 ratio Titanium III oxide, Rn matches cation charge, criss cross							
	Ti ⁺³	O ⁻²	Ti ₂ O ₃									
	Ti ⁺⁴	O-2	TiO ₂	John	Criss cross gives you Ti ₂ O ₄ , n Dalton says simple whole number ratios! Not hard, but think!							
Medium	Pd ⁺²	S ⁻²	PdS		Pd ₂ S ₂ becomes PdS 1:1 ratio, palladium II sulfide							
	Pd ⁺⁴	Se ⁻²	PdSe ₂		Pd ₂ Se ₄ becomes PdSe ₂ in a 1:2 ratio, palladium IV selenide							
	Nb ⁺³	P-3	NbP		Criss cross creates 1:1 ratio, Niobium III phosphide							
Hard	Cr ⁺⁶	O ⁻²	CrO ₃		chromium VI oxide, Cr ₂ O ₆ becomes CrO ₃							
	Re ⁺⁶	N ⁻³	ReN ₂	Re ₃ N ₆ becomes a 1:2 ratio, Rhenium VI nitride								
	Os ⁺⁴	S ⁻²	OsO_2	Osmium IV oxide, the Os ₂ O ₄ becomes a 1:2 ratio								
	Mn ⁺⁷	CO ₃ -2	Mn ₂ (CO ₃) ₇	Manganese VII carbonate, RN and polyatomic anion								
DO	Cation	Anion	Formula		Stock Names							
					Platinum IV oxide							
					Manganese IV sulfide							
					Iridium IV sulfite							
	W^{+6}	PO ₄ -3										
			$Pb(Cr_2O_7)_2$									
					Chromium III phosphate							