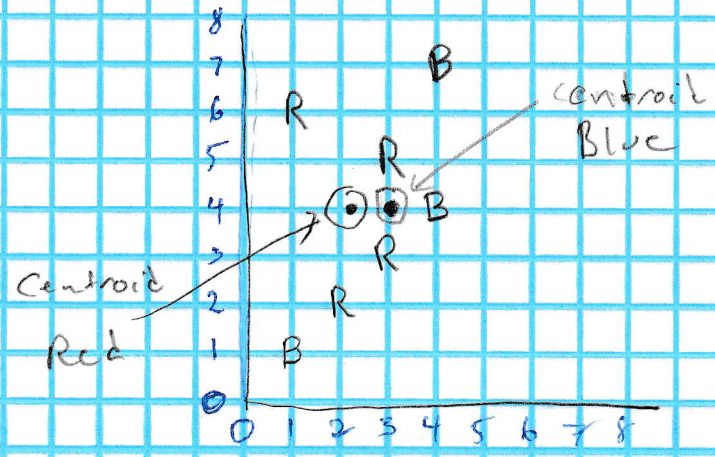
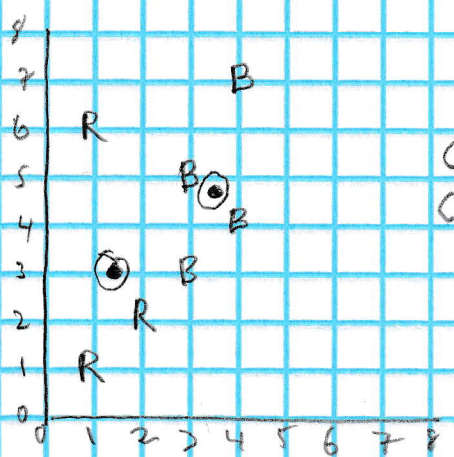


$$\text{Centroid (Red)} = \left(\frac{9}{4}, \frac{16}{4}\right) = \left(\frac{9}{4}, 4\right)$$

$$\text{Centroid (Blue)} = \left(\frac{9}{3}, \frac{12}{3}\right) = (3, 4)$$

	BLUE	RED
P_1	$(3-1)^2 + (4-1)^2 = 13$	$(9/4-1)^2 + (4-1)^2 = 10.56$
P_2	$(3-2)^2 + (4-2)^2 = 5$	$(9/4-2)^2 + (4-2)^2 = 4.06$
P_3	$(3-3)^2 + (4-3)^2 = 1$	$(9/4-3)^2 + (4-3)^2 = 1.56$
P_4	$(3-4)^2 + (4-4)^2 = 1$	$(9/4-4)^2 + (4-4)^2 = 3.06$
P_5	$(3-1)^2 + (4-6)^2 = 8$	$(9/4-1)^2 + (4-6)^2 = 5.56$
P_6	$(3-3)^2 + (4-5)^2 = 1$	$(9/4-3)^2 + (4-5)^2 = 1.56$
P_7	$(3-4)^2 + (4-7)^2 = 10$	$(9/4-4)^2 + (4-7)^2 = 12.06$



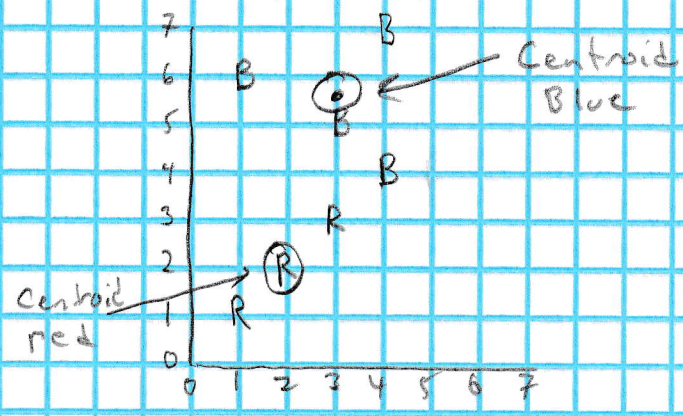
$P_1 = R$, $P_2 = R$, $P_3 = B$, $P_4 = B$
$P_5 = R$, $P_6 = B$, $P_7 = B$

$$\text{Centroid (Red)} = \left(\frac{4}{3}, 3\right) = (1.33, 3)$$

$$\text{Centroid (Blue)} = \left(\frac{14}{4}, \frac{19}{4}\right) = (3.5, 4.75)$$

	Blue		Red	
P_1	$(3.5-1)^2+(4.75-1)^2=$	16.81	$(4/3-1)^2+(3-1)^2=$	4.11
P_2	$(3.5-2)^2+(4.75-2)^2=$	9.81	$(4/3-2)^2+(3-2)^2=$	1.44
P_3	$(3.5-3)^2+(4.75-3)^2=$	3.31	$(4/3-3)^2+(3-3)^2=$	2.78
P_4	$(3.5-4)^2+(4.75-4)^2=$	0.81	$(4/3-4)^2+(3-4)^2=$	8.11
P_5	$(3.5-1)^2+(4.75-6)^2=$	7.81	$(4/3-1)^2+(3-6)^2=$	9.11
P_6	$(3.5-5)^2+(4.75-5)^2=$	0.31	$(4/3-3)^2+(3-5)^2=$	6.28
P_7	$(3.5-4)^2+(4.75-7)^2=$	5.31	$(4/3-4)^2+(3-7)^2=$	23.11

$P_1 = R$, $P_2 = R$, $P_3 = R$, $P_4 = B$, $P_5 = B$, $P_6 = B$, $P_7 = B$



Centroid (Red) = (3, 2)

Centroid (Blue) = (3, 1/2)