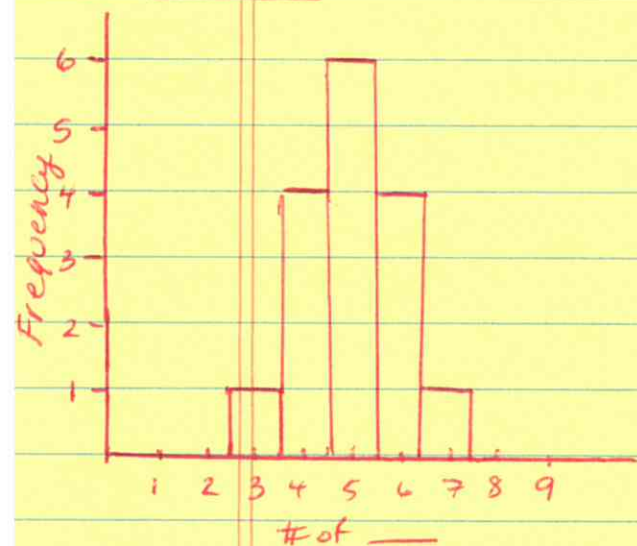


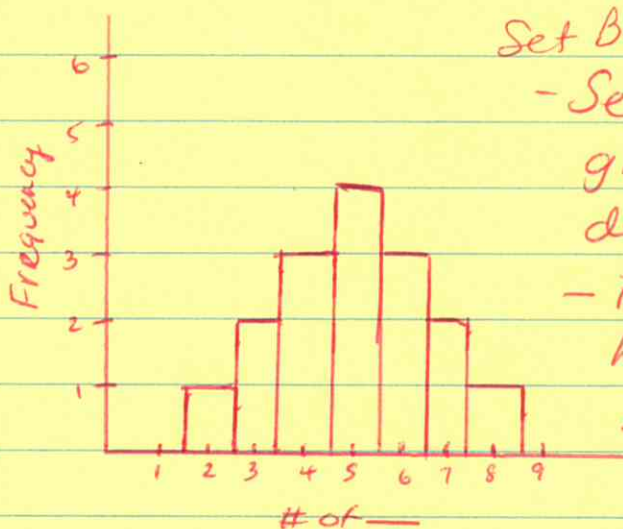
Alg 2 Stats Final Review 2

1. Patters: $\bar{x} = \frac{109}{21} \approx 5.2$ $Q_2 = 5$ Greater mean # of miles
 Eagles: $\bar{x} = \frac{107}{21} \approx 5.1$ $Q_2 = 5$ Equal median # of miles

2. Set A



Set B



Set A $\rightarrow S_x = 1.03$

Set B $\rightarrow S_x = 1.63$

- Set B has a greater standard deviation

- The bars of the histogram are more spread out

3. Graph B - wider, more spread out.

(max-min)					
	Range	Median	Q_3	Q_1	IQR
Class A	20	6	14	4	10
Class B	12	14	16	12	4
Difference	-8	+8	+2	+8	-6

The range, median + Q_1 all had a difference of 8
 The Q_3 changed the least, 2

	Range	Median	Q_3	Q_1	IQR
Test 1	18	12	16	6	10
Test 2	18	12	16	9	7
Difference	0	0	0	+3	-3

6. 1, 33 students

2. 11 students

3. $\frac{11}{33} = \frac{1}{3}$

4. $\frac{23}{33}$

5. $\frac{4}{33}$

The range, median + Q_3 had no change

The Q_1 , IQR both changed by 3