Fund A	Fund B
8.3	12
-6	-4.8
18.9	6.4
-5.7	10.2
23.6	25.3
20	1.4

n= 6

For Fund A:

Range:

Range of Fund A = **Largest Value - Minimum Value**

Largerst Value = 23.6

Minumum Value = -6

Range of Fund A = **29.6**

Quartile Deviation:

Ordering Fund A = -6 -5.7 8.3 18.9 20 23.6

Quartile Deviation = Q3-Q1 / 2

$Q1 = ((n+1)/4)^{th}$ $Q3 = (3*(n+1)/4)^{th}$

Q1 = (6+1)/4

Q1 = 1.75 1st observation + 0.75(2nd - 1st)

= 6 + 0.75*(-5.7+6)

Q1=	-5.78

Q3 = 5.25 5th observation + 0.25(6th - 5th)

Q3 =	20.9

Quartile Deviation = Q3-Q1 / 2

Quartile Deviation = **13.34**

Mean Deviation:

Fund A (X)	|Fund A - Mean|	X^2
8.3	1.55	68.89
-6	15.85	36
18.9	9.05	357.21
-5.7	15.55	32.49
23.6	13.75	556.96
20	10.15	400
Σ	65.9	1451.55

Mean = Σ(X)/n

= 9.85

Mean Deviation = 10.98333

Standard Deviation:

S.D = $\sqrt{((\Sigma x^2/n)-mean^2)}$

Variance = 144.9025

S.D = 12.0375454 12.03755

Coefficient Of Variation:

C.V = S.D/Mean * 100

C.V = 122.21 %

Coefficient Of Mean Deviation:

Coefficient Of Mean Deviation = Mean Deviation from mean / Mean

= 10.98/9.85

Coefficient Of Mean Deviation = 1.11359

Coefficient Of Range:

Coefficient Of Range: $\frac{\textbf{Largest Value - Minimum Value}}{\textbf{Largest Value + Minimum Value}}$

Largerst Value = 23.6

Minumum Value = -6

= 23.6--6 / 23.6+-6

Coefficient Of Range: = 1.681818

Coefficient Of Quartile Deviation:

C.Q.D = ((Q3-Q1)/(Q3+Q1))*100

C.Q.D = 176.363636

Fund B
12
-4.8
6.4
10.2
25.3
1.4

n = 6

For Fund B:

Range:

Range of Fund B = **Largest Value - Minimum Value**

Largerst Value = 25.3

Minumum Value = -4.8

Range of Fund B = 30.1

Quartile Deviation:

Ordering Fund B = -4.8 1.4 6.4 10.2 12 25.3

Quartile Deviation = Q3-Q1 / 2

$Q1 = ((n+1)/4)^{th}$ $Q3 = (3*(n+1)/4)^{th}$

Q1 = (6+1)/4

Q1 = 1.75 1st observation + 0.75(2nd - 1st)

= 4.8 + 0.75*(1.4-4.8)

Q1=	-0.15

Q3 = 5.25 5th observation + 0.25(6th - 5th)

Q3 =	15.325

Quartile Deviation = Q3-Q1 / 2

Quartile Deviation = 7.735

Mean Deviation:

Fund B (X)	|Fund A - Mean|	X^2
12	3.584	144
-4.8	13.216	23.04
6.4	2.016	40.96
10.2	1.784	104.04
25.3	16.884	640.09
1.4	7.016	1.96
Σ	44.5	954.09

Mean = Σ(X)/n

= 8.41666667

Mean Deviation = 7.416667

Standard Deviation:

S.D = $\text{sqrt}((\Sigma x^2/n)-\text{mean}^2)$
Variance = 88.1747222
S.D = 9.39013963

Coefficient Of Variation:

C.V = S.D/Mean * 100
C.V = 111.57 %

Coefficient Of Mean Deviation:

Coefficient Of Mean Deviation = Mean Deviation from mean / Mean
= 10.98/9.85
Coefficient Of Mean Deviation = 0.881807

Coefficient Of Range:

$$C.R = \frac{\textbf{Largest Value - Minimum Value}}{\textbf{Largest Value + Minimum Value}}$$

Largerst Value = 25.3
Minumum Value = -4.8
= 25.3--4.8 / 25.3+-4.8
Coefficient Of Range: = 1.468293

Coefficient Of Quartile Deviation:

C.Q.D = ((Q3-Q1)/(Q3+Q1))*100
C.Q.D = 101.976936