<https://github.com/doognairb/Project-Management>

**Question 1**

Expected Time:

Task A = 2+4(5) + 7 /6 = 4.83

Task B = 3+4(4) + 9 /6= 4.66

Task C = 5+4(8) + 13 /6 = 8.33

Task D = 4+4(6) + 10 /6 = 6.33

Task E = 3+4(7) + 9 /6 = 6.66

Task F = 4+4(5) + 8 /6 = 5.33

Task G = 5+4(8) + 11 /6 = 8.00

Task H = 3+4(4) + 9 /6 = 4.66

Task I = 6+4(8) + 15 /6 = 8.83

Task J = 5+4(7) + 11 /6 = 7.33

Variance:

Task A

Standard Deviation = 7-2/6 = 5/6 or 0.8333 in decimal

Variance = 0.8333^2 = 0.69

Task B:

SD = 9-3/6 = 6/6 or 1.0

V = 1.0^2 = 1

Task C:

SD = 13-5/6 = 8/6 or 1.3333

V = 1.3333^2 = 1.77

Task D:

SD = 10-4/6 = 6/6 or 1.0

V = 1.0^2 = 1

Task E:

SD = 9-3/6 = 6/6 or 1.0

V = 1.0^2 = 1

Task F:

SD = 8-4/6 = 4/6 or 0.6666

V = 0.6666^2 = 0.44

Task G:

SD = 11-5/6 = 6/6 or 1.0

V = 1.0^2 = 1

Task H:

SD = 9-3/6 = 6/6 or 1.0

V = 1.0^2 = 1

Task I:

SD = 15-6/6 = 9/6 or 1.5

V = 1.5^2 = 2.25

Task J:

SD = 11-5/6 = 6/6 or 1.0

V = 1.0^2 = 1