HW #D 1.2 #4,57,9,10,12,13-16

- 4) NO, 10 15 20 30 median is avg of #1's in Post 283
 - 5) Any odd sample size "5 10 15 20 25"
- - 9) (X+0.05x) = 1.05 mean

$$\int_{N-1}^{1} (1.05)^{2} - (1.05)^{2} - (7.05)^{2} = 2$$

$$50 = 1.05$$

b)
$$\sqrt{318-(152)^2}=0.9372$$

C) Median = 1

$$Q_3 = 3(161) = 75.75 = 2$$

 $Q_1 = \frac{4}{14(100+1)} = 25.25 = 1$

$$e)100-70=30 = 0.30$$

A) 0) 22-744 b) 20-7 c) 21 013 d) 20.806 B) a)23.5 b)20.4 c)21 d)20-7 D) a) 20+22=21 b) 19.6+20.1 19.85 35+25=25 22+22=22 () 20-7+70.8=20-75 1) 20+20-7=26.1 $\frac{21.5 + 21.5}{7} = 21.5$ $\frac{21.1 + 21.5}{2} = 21.3$ $\frac{7}{2} = 21.5$ $\frac{7}{2} + (25)^{2} + (26)^{2} + (26.9)^{2} - 16(22.49)$ a) = 2.975(b) = 1-3540 = 0 - 4196)0.745 F) Method A, MUCh More spread out Cy) Smaller, since its closer and a cluster of data indicates around the mean

13) a) all multiplied by 2.54 5) Measurements would be different.
Since remeasuring with uncertinty 14) 764000-104000+1,000,000 = 160,000 b) No change c) (n-1) x Zo, occ) (10-1) x (400,000,000) = 3600,000,000 J+8,700,000,000 = 280,535.2 $\frac{15)}{0}$ $\frac{44446}{2}$ $\frac{45}{2}$ $\frac{76+79}{2}$ $\frac{77.5}{2}$ b) 23+41 32 46+49 = 47.5 74+76 75 84+89 = 85.5 (6) (1) Due to error misplacing decimal b) Car prices vary by alot so conceivably correct