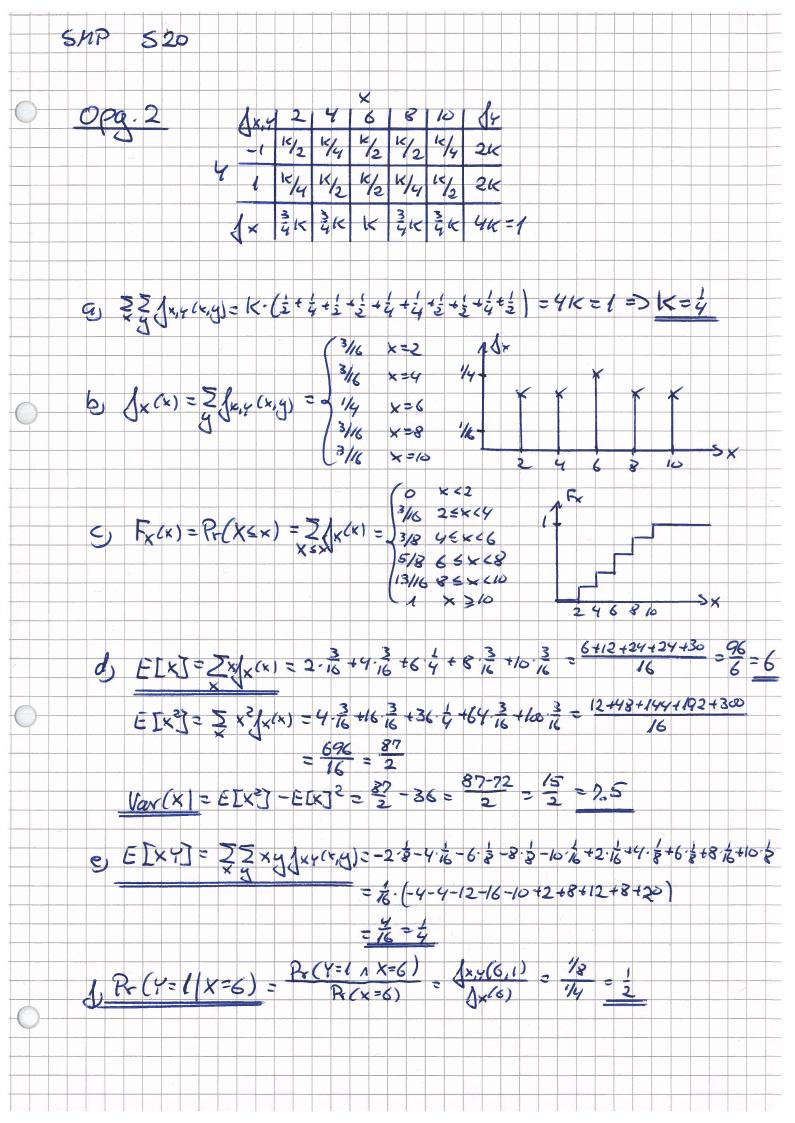
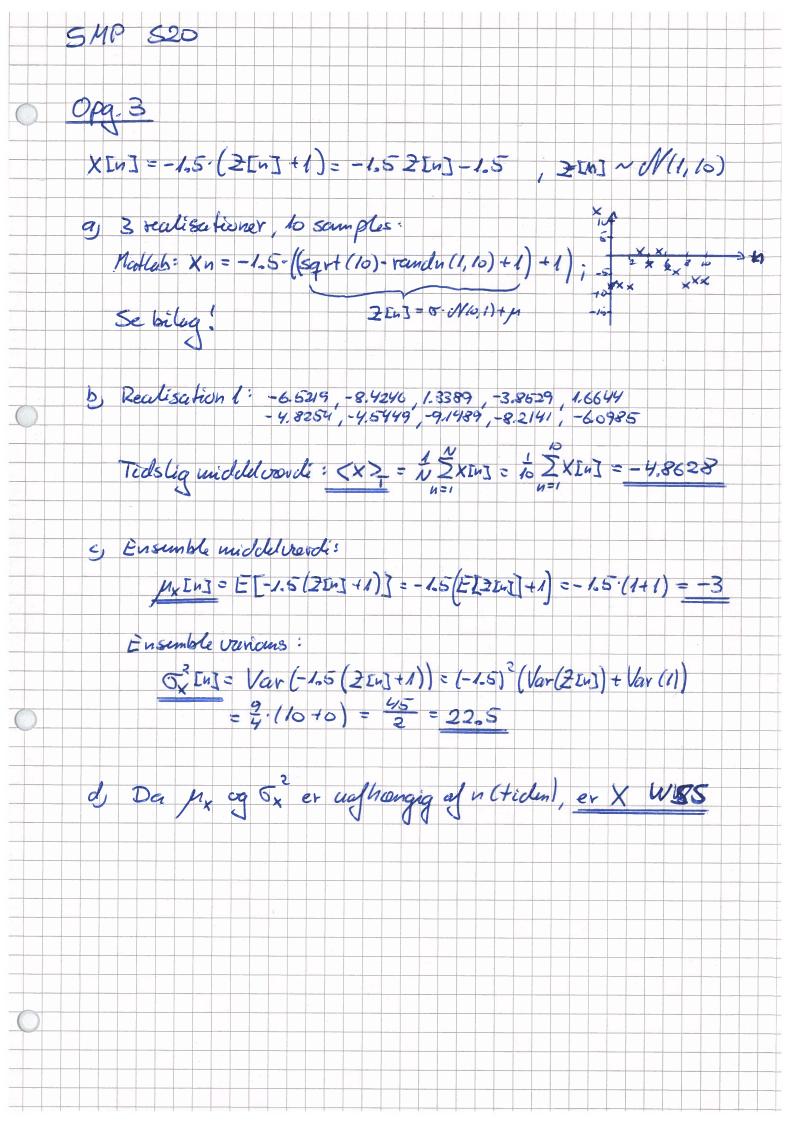
SMP Hondelser: F: Chipset har en fijl F: Chipset har vigen fijl
T: Test viser fyl T: Test viser vigen fijl Sandsyntiqueds data: Pr(T(F)=0.34, Pr(T(F)=0.08 Pr(F) = 0.025 G Pr(FNT) = Pr(T(F).Pr(F) = 0.34.0.025 = 0.0085 = 0.85% 6) P-(F)=1-P-(P)=1-0.025=0.975=97.5% SP(F) = Pr(TAF) + Pr(TAF) = Pr(TAF) + Pr(T(F) Pr(F) = 0.0085 + 0.08.0.975 = 0.0865 = 8.65% d, Pr(F(T) = Pr(T) Pr(F) = 0.34.0.025 = Pr(FAT) = 0.098=98%

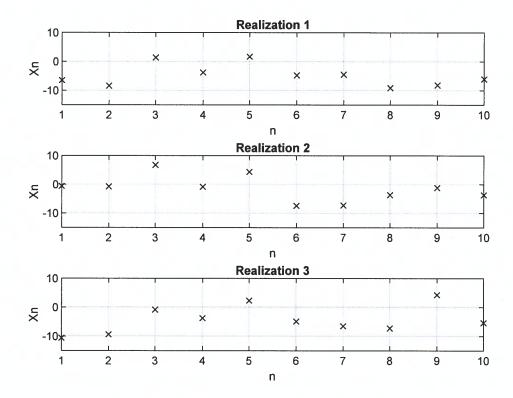




%%Opgave 3a S20

```
for i=1:3
    Xn=-1.5*((sqrt(10)*randn(1,10)+1)+1) %10 samples of stochastic proces
    Temporal_mean=sum(Xn)/10 %Mean of the 10 samples

figure(1)
    ax=subplot(3,1,i); %Plot of three realizations
    n=1:10; %10 samples between 1 and 10
    plot(ax,n,Xn,'kx')
    grid
    axis([1,10,-15,10])
    title(ax,['Realization ',num2str(i)])
    xlabel(ax,'n')
    ylabel(ax,'Xn')
end
```



Realization 1: Xn = -6.5219 -8.4246 1.3389 -3.8529 1.6644 -4.8254 -4.5449 -9.1489 -8.2141 -6.0985 Temporal_mean = -4.8628

Realization 2: Xn = -0.6042 -0.7422 6.7314 -0.8735 4.3580 -7.4106 -7.2783 -3.6560 -1.2051 -3.6786

Temporal_mean = -1.4359

Realization 3: Xn = -10.6134 - 9.3994 - 0.8729 - 3.7988 2.3150 - 4.9008 - 6.5057 - 7.2693 4.2632 - 5.3936 $Temporal_mean = -4.2176$

