HW#13 Ch.4 Sec 11(57,18) Ch.55ec 1(157)

5) a) 5/1/60 = 0.65 P(ZZ=1-0.65) P(ZZ-1.55) = 0.060

(a) $P_{70} = 0.52$ $P_{70} = 15$ 0.52(0.65) = 15.34 0.65 = 0.520.65 = 15.34

 $\frac{6}{5/\sqrt{n}} = -2.33 = \frac{1}{\sqrt{n}} = \frac{1}{2.33} \frac{1 - (2.33 \times 5)^2}{2.136}$

b) P30-200=-0.52 -0.52(14.14) = 192.6

(18) a) $(100(0.41)^2 = 16$ 55 - 50 = 1.251 - 0.8944 = 0.1056

5) $|ov(0.5)^2 = 25$ 55-60 = -100= 0.1537

 $0) \frac{115-110}{VIII} = 0.78 \frac{1-0.7823}{0.78} = 0.2174$

(0) 2) 2 = 6 - (-10) = 1.56 = 0.0594

1) a)
$$1.96$$
b) 2.33
c) 2.53
c) 2.53
d) 1.28
5) a) $0.92 + 1.02 = 0.95$
5) $1.02 - 0.92 = 0.04$
 $11H - 1 = 113$
 1.981
 $0.04 \times 10.67 = 0.36$
 1.981
b) $8.1 \pm (1.90) 0.6$
 1.981
c) 1.981
b) 1.981
c) 1.981

c)
$$\frac{52}{180} = 18$$
 $\frac{13\sqrt{80}}{2.52} = \frac{1.54}{88\%}$ condience
 $\frac{(1.96)^2(52)^2}{64} = \frac{162.31}{}$

23)
$$6.213 + 0.241 = 0.227$$
 $6.227 + 1.96 = 0.241$
 $6.241 - 0.227 = 0.001$
 1.96
 $6.227 + (1.645)(0.0071)$
 $6.2153 \text{ and } 0.2327$