```
Oppg. 1
1. \chi - N(225, 15^{2})
(a) P(X)240) = P(2)240-225
              =P(2>1)
              =1-P(2\leq 1)
              =1-0.8413
              -0.1587
   P(210<X<240)=P(210-225<2<1)
                   =P(-14251)
                   =P(Z < 1)-P(Z < -1)
                   =0.8413-0.1587
                   =0.6826
(b) >= \(\frac{4}{5}\)\(\xi\)
    X: washengia >> >-N(90030)
    P(Y>960)-P(2>960-900)
              =P(2>2)
              =1-P(252)
              =1-0.9772
              =0.0228
    P(Y6b)=0.95
    P(26-900)-0.95
```

 $P(2 \le \frac{b - 900}{30}) = 0.95$ $\Rightarrow \frac{b - 900}{30} = 1.645$ $\Rightarrow b = 949.35$