$$53^{\circ}|6|26^{\circ}| = 53.274 = \mu$$

$$1'|3'' = 0.20278$$

$$X_{1} = 53.267 - 53.274 = -0.35616$$

$$Z_{1} = \frac{53.267 - 53.274}{0.20278} = -0.35942$$

$$Z_{2} = \frac{53.283 - 53.274}{0.20278} = 0.46575$$

$$D = 0.68092$$
The probability that the angle is

The probability that the angle is between 53d16' and 53d17' is 32.14%.

a = 55.300°° cosc = cosacosb + si rasjubcosc b = 40.7500 V  $= 0.32519 \rightarrow c = 71.023^{\circ}$ e = 101.40° c= 71.07.3° Q = 55,300°° (i)ABP~ HON  $b = 68,700^{\circ}$ cosc = 59.338° Q = 59.338° C = 66.683er = 68.700 0 H (iii) ABC~ VHN b = 40,750 ° V cosc = 39,187° h=39,187° e = 34.717° Cosà = cost cos à t sint sinc cos A 01A = <u>costicos</u> = 0.43167 Sirli sirc A = 64.427°

) 
$$Q = 109^{\circ}17^{\dagger}$$
  $B = 37^{\circ}15^{\dagger}$   
 $Sinb = Sinb \cdot Sin Q = 0.57134$   
 $D = 34.843^{\circ}$  or  $D = 145.16^{\circ}$   
 $D = 145.16^{\circ}$ 

(9) 
$$N=50$$
  $M=50.0.2=10$   $P=0.2$   $N=\sqrt{50.0.2.08}=2.8284$ 

$$7 = \frac{11.5 - 10}{2.8284} = 0.53$$

$$7 = 0.70194$$

The probability that there are 12 or more men is approximately 0.29806.