4.
$$\mu = 4.0.2 + 5.0.4 + 6.0.3 + 7.0.1 = 5.3$$

 $6^{2} = (4-5.3)^{2}.2 + (5-5.3)^{2}.0.4 + (4-5.3)^{2}.0.3 + (7-5.3)^{2}.0.1 = 0.81$

$$P(X > 5.5) P(X < \frac{5.5 - 5.3}{0.15})$$

$$Z = \frac{\hat{X} - \hat{Y}\hat{X}}{5\hat{X}}$$

$$Z = \frac{\hat{X} - \hat{Y}\hat{X}\hat{X}$$

$$Z = \frac{\hat{X} - \hat{Y}\hat{X}$$

$$f(x) = - \cdot \phi(\frac{x-7}{2}) = \phi(x-7)$$

P (6.4
$$\leq x \leq 7.2$$
) = P($\frac{644-7}{1/3}$ $< 2 \leq \frac{7.2-7}{1/3}$) = P($\frac{5.4}{5}$ $< \frac{5$

6.
$$5^{\circ\circ} \phi(x) dx = 15 \Rightarrow \alpha = 1.035$$

$$1.034 = \frac{x-7}{1/3} \implies x = 10.108$$

=.
$$P(\hat{x} \in 2.7) = P(\frac{14}{2.7-3.2}) = P(\frac{14}{2.25}) = P(\frac{14}{2.25}) = \frac{15}{50} \phi(x) dx = \frac{15}{50} \phi(x) dx$$

$$P(273.5) = P(2) \frac{3.5-32}{9.2} = P(2) \frac{3.$$

4. Wight $\vec{r} = 102$. N = 34 $\hat{\chi} = 4.502$. $\hat{\chi}_{8} = 4.7.6$ 4. $PC \times_{8} - \times_{A} \times_{7} 0.2$) $= P(2 > \frac{0.2 - b}{0.7357})$ $= \sum_{6.849}^{8} \Phi(x) dx = 0.198$ 6. Phospharma Congress the growth suggestion than there is a 19.8%

with the given sample size and distribution have is 19.8% domes
of jetting. The values figurates or equil difference to the ones observed
which seems to be a reasonably high drawse or giving no
suspect for the conjecture