

15 $x = \text{invitación a la conferencia}$

$$160 \rightarrow 100$$

$$64 \rightarrow 40$$

$$x \sim N(x, \mu = 6(300), \sigma^2 = npq = 300(.4)(.6)$$

$$180$$

$$64$$

$$72$$

$$38.4$$

$$P(x < 150) = P\left(\frac{150 - 180}{\sqrt{64}} \leq \frac{180 - 180}{\sqrt{64}}\right) = .5008$$

$$P(x > 160) = P(x < 150) = .0002 \quad .0125$$

$$1 - P(x < 160) = 1 - .9874 = .0125$$