

$$E=35000$$

$$D=6500$$

x- random variable- represents salary.

$$P(x < 26000) = P\left(\frac{E-x}{d} < \frac{E-26000}{d}\right) = \text{by Central Limit Theorem} = F\left(\frac{35000-26000}{6500}\right) = F(1.38) = 0.9162$$