

f) $P_N(28,000 < X < 36,000 \mid \mu=30,000, \sigma=4,000) = ?$ (A: 0.6247)

g) $P_N(X > 50,000 \mid \mu=30,000, \sigma=4,000) = ?$ (A: 0.0000)

h) $P_N(35,000 < X < 40,000 \mid \mu=30,000, \sigma=4,000) = ?$ (A: 0.0994)

i) What income level defines the 75th percentile? (A: \$32,680)

j) What income level defines the 35th percentile? (A: \$28,440)

k) What income level separates the *richest* 10%? (A: \$35,120)