X-N(2,65,0.852)

1.
$$g(2 \le \times \le 3) = g(2-7.65 \le \times -2.65 \le 3-2.65)$$

$$3. P(X \leq 3.00) = P(X \leq 3.00)$$

3. $P(\overline{X} \le 3.00) = P(\overline{X} - 2.65 \le 3.00 - 2.65) = 2.0588$

$$0 = \beta \left(\frac{X - 2.65}{0.85/5} \right) = 2.0588$$