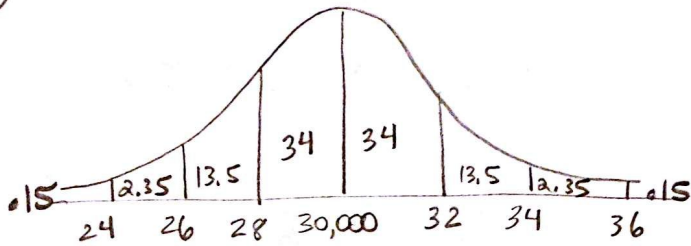


①

WKST ON NORMAL



a) 28,000 and 32,000

b) 26,000 and 34,000

c) $100 - .15 - 2.35 = 97.5\%$

d) $84(2000) = 1680$

② calc!

a) normal cdf(9, 15, 12, 3) = 68%

b) (12, 15, 12, 3) = 34%

c) (-1E99, 6, 12, 3) = 2.3%

d) (15, 1E99, 12, 3) = 15.9%

③

a) (28, 1E99, 20, 4) = 2.3%

b) (-1E99, 16, 20, 4) = 15.9%

$.159(2000) = 317$

④ omit

⑤ (38, 40, 40, 2) = .34 > .68(10,000) = 6800

a) (40, 42, 40, 2) = .34

b) (44, 1E99, 40, 2) = .023

(-1E99, 36, 40, 2) = .023

> .046(10,000) = 460

$$\textcircled{6} \text{ a) } (-1\text{E}99, 85, 95, 5) = .023 = 2.3\%$$

$$\text{b) } (105, 1\text{E}99, 95, 5) = .023(8000) = 182$$

$$\textcircled{7} \text{ a) } (3.5, 1\text{E}99, 3.5, .1) = .5 = 50\%$$

$$\text{b) } (3.4, 3.7, 3.5, .1) = .82(1000) = 820$$

$$\text{c) } (3.7, 1\text{E}99, 3.5, .1) = .023(1000) = 23$$

$$\textcircled{8} \quad (-1\text{E}99, 38, 50, 6) = .023(50,000) = 1150$$

$$\textcircled{9} \text{ a) } (-1\text{E}99, 473, 477, 2) = .023 \quad 2.3\%$$

$$\text{b) } (-1\text{E}99, 473, 477, 4) = .159 \quad 15.9\%$$

$$\textcircled{10} \text{ a) } (45, 75, 75, 15) = .477(1000) = 477$$

$$\text{b) } (60, 1\text{E}99, 75, 15) = .84(1000) = 84$$