Problem Set #8

15 #

(5) a)
$$P(Z < 0.65) \approx 0.742 (3sA)$$

b) $P(Z > 0.72) \approx 0.236 (3sA)$

c) $P(Z \ge 1.8) \approx 0.0359 (3sA)$

d) $P(Z > -2) \approx 0.977 (3sA)$

e) $P(Z \le -0.28) \approx 0.390 (3sA)$

P($Z \ge 1.24$)

$$Z = \frac{52-48}{9} = \frac{4}{9}$$

$$P(Z < \frac{4}{9}) \approx 60724$$

$$Z = \frac{42 - 48 = -2}{9}$$

$$Z = \frac{47 - 48}{9} - \frac{1}{9}$$

$$M = 3.15$$
 $O = 0.02$

$$Z = \frac{3.11 - 3.15}{0.02} = \frac{.04}{.02} = 2$$

P(Z>2) 2 [10228]

a)
$$P(X < 3.2)$$

$$Z = \frac{3.1 - 3.15}{0.02} = -2.5$$

$$Z = \frac{3.15 - 3.15}{0.02} = 0$$