

4.68

a)



$$P(0 \leq z \leq 2) \approx 0.477$$

b)



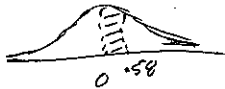
$$P(0 \leq z \leq 1) \approx 0.341$$

c)



$$P(0 \leq z \leq 3) \approx 0.499$$

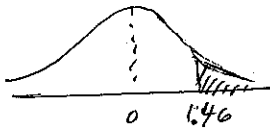
d)



$$P(0 \leq z \leq 0.58) \approx 0.219$$

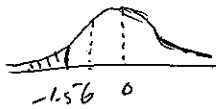
4.70

a)



$$P(z > 1.46) \approx 0.072$$

b)



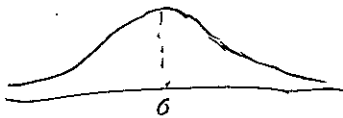
$$P(z < -1.56) \approx 0.059$$

c)



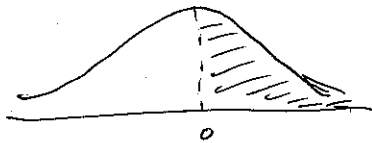
$$P(0.67 \leq z \leq 2.41) \approx 0.243$$

d)



$$P(-1.96 \leq z \leq -0.33) \approx 0.346$$

e)



$$P(z \geq 0) \approx 0.500$$

f)



$$P(-2.33 < z < 1.50) \approx 0.923$$

g)



$$P(z \leq -2.33) \approx 0.010$$

h)



$$P(z < 2.33) \approx 0.990$$