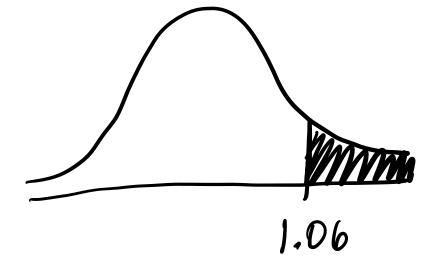
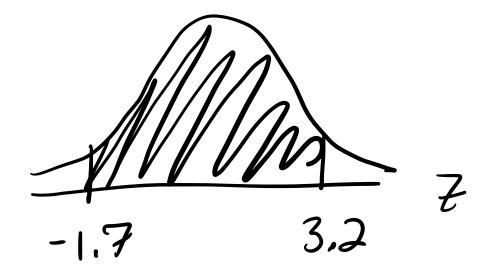
146 Example:

A.



B.



$$P(Z Z Z^*) = 0.96$$
 $1-.96 = .04$
 $-.96 = .04$
 Z^*

D.
$$P(-z^* \le Z \le z^*) = 0.95$$
 $|-0.95| = 0.95$
 $|-0.95| = 0.95$
 $|-0.95| = 0.95$
 $|-0.95| = 0.95$
 $|-0.95| = 0.95$
 $|-0.95| = 0.95$
 $|-0.95| = 0.95$

$$Z^* = NORM.S.INV(.95+.025)$$

= NORM.S.INV(0.975)

[4c] Example:

o = 5

 $\mu = 38$

1, P(x < 32)

= NORM.DIST (32, 38, 5, 1)

2. P(X > 40)

= 1 - NORM.DIST(40, 38,5,1)