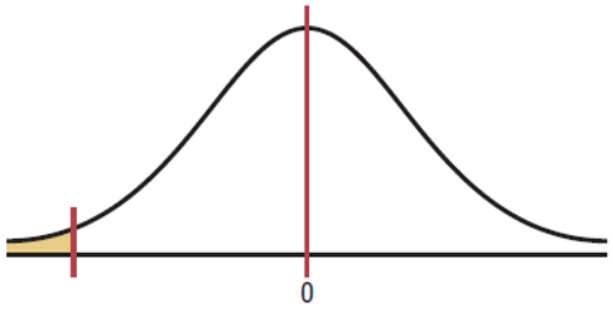
z-test Critical Values

$H_0: \mu \geq k$
$H_1: \mu < k$

- $\alpha = 0.10$, C.V. = −1.28
- $\alpha = 0.05$, C.V. = −1.65
- $\alpha = 0.01$, C.V. = −2.33

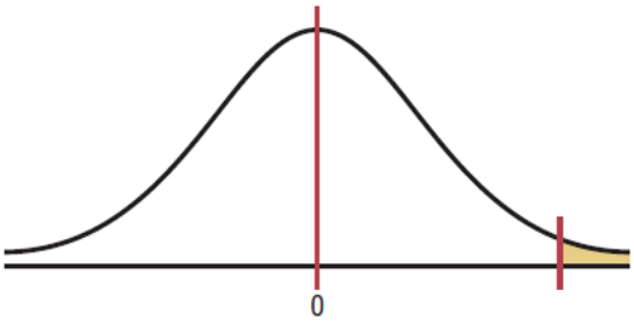
(a) Left-tailed



$H_0: \mu \leq k$
$H_1: \mu > k$

- $\alpha = 0.10$, C.V. = +1.28
- $\alpha = 0.05$, C.V. = +1.65
- $\alpha = 0.01$, C.V. = +2.33

(b) Right-tailed



$H_0: \mu = k$
$H_1: \mu \neq k$

- $\alpha = 0.10$, C.V. = ±1.65
- $\alpha = 0.05$, C.V. = ±1.96
- $\alpha = 0.01$, C.V. = ±2.58

(c) Two-tailed