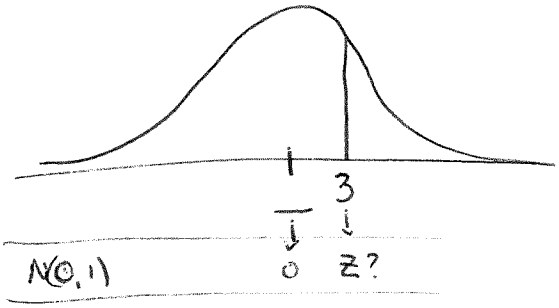
(A8) continued

45. $n = 63$ $P(\bar{x} \geq 3) = ?$

$\mu_{\bar{x}} =$ $\sigma_{\bar{x}} =$

$z =$ ———



$P(z >$) = normalcdf ( )

=

54. A_{cows} J_{cows} Assume Normal Models OK

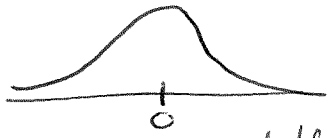
$\mu_A = 47$ $\mu_J = 43$

$\sigma_A = 6$ $\sigma_J = 5$

a. $P(A > 50) = ?$

$z_{50} =$ ———

=



$P(z >$) = normalcdf (,)

=

b. $P(A > J) = P(A - J > 0) = ?$

$\mu_{A-J} = \mu_A - \mu_J$ $\sigma_{A-J} = \sqrt{}$

= =

=

$z_0 =$ ———

N(,)

$P(z >$) = normalcdf (,)

=

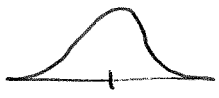
c. $P(20\bar{J} > 45) = ?$

$\mu_{\bar{J}} = \mu =$

$\sigma_{\bar{J}} = \frac{}{\sqrt{}} =$

N(,)

$z_{45} =$ ———



d. $P(10A > 20J + 5)$

$P(10A - 20J > 5)$

$\mu_{\bar{J}} =$ $\mu_{\bar{A}} =$

$\sigma_{\bar{J}} =$ $\sigma_{\bar{A}} = \sqrt{}$

$\mu_{\bar{A}-\bar{J}} = \mu_{\bar{A}} - \mu_{\bar{J}} =$

$\sigma_{\bar{A}-\bar{J}} = \sqrt{} =$

N(,)

$z_5 = \frac{5 -}{}$