

$M \sim N(\mu, 49)$   
 $P(M < -5.17) = 0.03$

$H \sim N(\mu, 9)$   
 $P(H > -2.73) = 0.995$

$\mu = 10$	$C \sim N(5, \sigma^2)$ $P(C < 14.4) = 0.97$	$\sigma = 5$	$\sigma = 6$	$E \sim N(16, \sigma^2)$ $P(E < 30) = 0.99$	$\mu = 5$
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$L \sim N(\mu, 36)$   
 $P(L > 20.5) = 0.04$

$\mu = 2$

$G \sim N(\mu, 4)$ $P(G < 6.34) = 0.985$	$\sigma = 4$	$D \sim N(20, \sigma^2)$ $P(D > 11.8) = 0.98$	$\sigma = 2$	$A \sim N(10, \sigma^2)$ $P(A < 13.3) = 0.95$	$\mu = 3$
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$J \sim N(\mu, 25)$   
 $P(J < 18.45) = 0.999$

$\sigma = 7$

$\mu = 8$	$\mu = 1$	$K \sim N(\mu, 16)$ $P(K < -5.58) = 0.05$	$B \sim N(8, \sigma^2)$ $P(B > 2.75) = 0.96$	$\sigma = 3$	$F \sim N(30, \sigma^2)$ $P(F > 16.28) = 0.975$
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