

# HW115

DE  
A2

1. b) 4.9%

c) 92.9%

2. b)  $100 - 13.4 = 86.6\%$

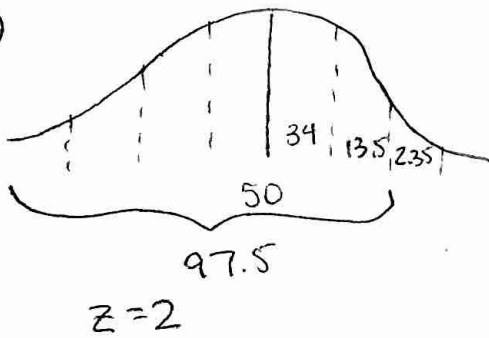
c)  $100 - 88.9 = 11.1\%$

3. b) 12.9%

c) 7.7%

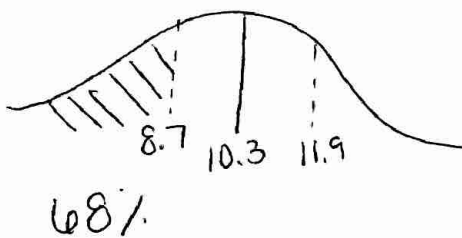
4. a)  $z = -1$

b)



c)  $z = 0$

5. b)



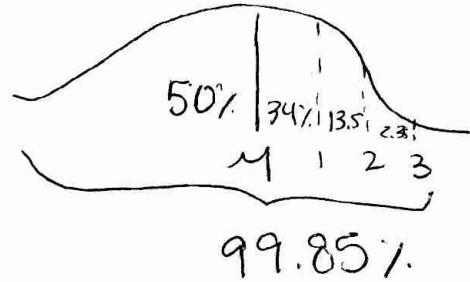
c)  $\text{normcdf}(8.3, 12.3, 10.3, 1.6)$

$= 78.9\% \rightarrow .789(1000) = \boxed{789 \text{ children}}$

d)  $100\% - 16\% = 84\%$

6.  $z = \frac{170 - 125}{15}$

$z = 3$



7.  $\text{normcdf}(76, 94, 80, 8)$   
 $= 65.1\%$