

Activity 12.28

[H/H126]

Below are two different graphs of cumulative probability distributions. Using the appropriate graph, not the computer, estimate the items listed below. Your estimates are not expected to be perfect, but do mark on the graph to show the reasoning behind your answer:

1. The 75th percentile of a normal distribution with mean 2 and standard deviation 3.
2. When flipping 20 fair coins, the probability of getting 7 or fewer heads.
3. The probability of x being 1 standard deviation or more below the mean of a normal distribution.
4. The range that covers 90% of the most likely number of heads when flipping 20 fair coins.



