

1. For the normal distribution $N(4.8,0.9)$, $\mu =$ and $\sigma =$
2. On the graph of the normal curve with mean 7 and standard deviation 0.7, the x -coordinate of the highest point is (Round your answer to the nearest tenth.)
3. The highest point on the $N(100,10)$ curve is the highest point on the $N(100,12.5)$.
4. The total area under the graph of a probability distribution function (and above the x -axis) is (Round your answer to the nearest tenth.)
5. The number of roses that a typical rose bush of a certain species shows is normally distributed with mean 72 and standard deviation 13.

About what percentage of these bushes show between 46 and 98 roses?

(Round your answer to the nearest tenth of a percent.)

About what percentage of these bushes show between 85 and 98 roses?

(Round your answer to the nearest tenth of a percent.)

About what percentage of these bushes show fewer than 59 roses?

(Round your answer to the nearest tenth of a percent.)