Statistics S5: Normal Distributions and z-scores

Assume all data sets are normally distributed.

1. Given μ = 100 and σ = 5, what percent is greater than 100?

2. Given μ = 100 and σ = 5, what percent is between 90 and 110?

3. Given μ = 150 and σ = 10, what percent is between 130 and 160?

4. Given μ = 86 and σ = 4, what percent is greater than 82?

5. Given μ = 144 and σ = 12, what percent is less than 135?

6. Given μ = 95 and σ = 10, what percent is greater than 90?

7. Given μ = 120 and σ = 16, what percent is greater than 130?

8. Given μ = 100 and σ = 10, what percent is between 87 and 95?

9. Given μ = 77 and σ = 4, what percent is between 70 and 81?

10. Given μ = 77 and σ = 4, what percent is between 80 and 85?