KEY

For each normal distribution, determine the percentage of items that fall within the given boundaries.

1. A set of numbers are normally distributed such that the mean is 106 and the standard deviation is 2.

    a) 84%

    b) 2.5%

    c) 84%

    d) 0.15%

    e) 97.35%

    f) 49.85%

2. A set of numbers are normally distributed such that the mean is 40 and the standard deviation is 5.

    a) 97.5%

    b) 16%

    c) 50%

    d) 97.5%

    e) 68%

    f) 84%

3. A set of numbers are normally distributed such that the mean is 5.1 and the standard deviation is 0.9.

    a) 13.5%

    b) 2.5%

    c) 68%

    d) 16%

    e) 50%

    f) 34%

4. A set of numbers are normally distributed such that the mean is 76 and the standard deviation is 10.

    a) 2.5%

    b) 16%

    c) 68%

5. A set of numbers are normally distributed such that the mean is 5.00 and the standard deviation is 0.03.

    a) 2.5%

    b) 68%

    c) 16%

6. A set of numbers are normally distributed such that the mean is 50.0 and the standard deviation is 0.2.

    a) 16%

    b) 2.5%

    c) 95%