

Name:

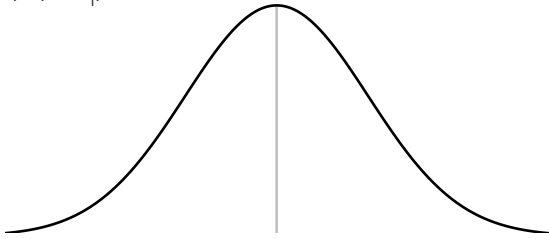
Statistics

Date:

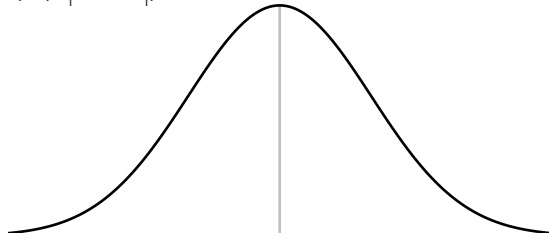
Practice Quiz 6-C

1. Shade the area stated. Then find the value of z_1 and label it on the graph.

a) $P(z < z_1) = 95\%$

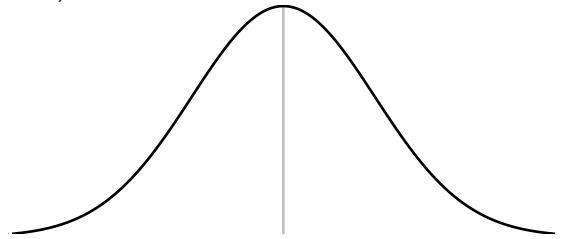


b) $P(-z_1 < z < z_1) = 95\%$

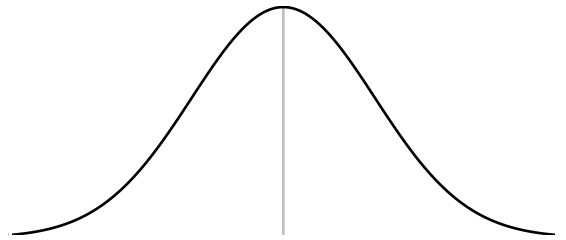


2. Times for a certain train route are normally distributed with $\mu = 185$ minutes and $\sigma = 7.8$ minutes.

a) How long is a trip that is faster than 98% of others? (Keep in mind that faster times are lower.)



b) What range of times includes the middle 50% of times?



c) What percentage of trips are between 180 and 200 minutes?

