

## Attendance Quiz 10

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Assume that adults have IQ scores that are *normally distributed* with a **mean 100** and a **standard deviation of 15** (as on the Weschler test). (Hint: Draw a graph in each case.)

(a) Find the probability that a randomly selected adult has an IQ greater than 131.5.

(b) Find the probability that a randomly selected adult has an IQ between 90 and 110.

(c) Find the IQ score separating the bottom 98.3% from the top 1.7%.

(d) Find the IQ score separating the top 69.5% from the others.