

**Content Standards:**

- To describe the properties of the normal distribution.
- To use the normal distribution to calculate probabilities as well as statistics associated with intervals within the normal distribution.

**Process Standards:**

- Students will apply course content to their own life.
- Students will use problem solving techniques to decide how to approach a scenario.

**Task:**

Miss Heslinga has decided that she would like to curve the Chapter 9 logarithms test. She needs your help coming up with a "fair" curve. You get to decide on the curve. The mean on the test is 70% and the standard deviation is 3.5%. Decide how you would like to break down the grades (what percent of students should get A's, B's, C's, and D's). Then figure out the lowest score a student could get on the test to receive an A, B, C, and D according to your curve.

A's \_\_\_\_\_%    B's \_\_\_\_\_%    C's \_\_\_\_\_%    D's \_\_\_\_\_%

**Determine the lowest score a student could get to receive an A on the test.**

**Determine the lowest score a student could get to receive a B on the test.**

**Determine the lowest score a student could get to receive a C on the test.**

**Determine the lowest score a student could get to receive a D on the test.**

**Do you feel that you came up with a “fair” curve? Why or why not?**