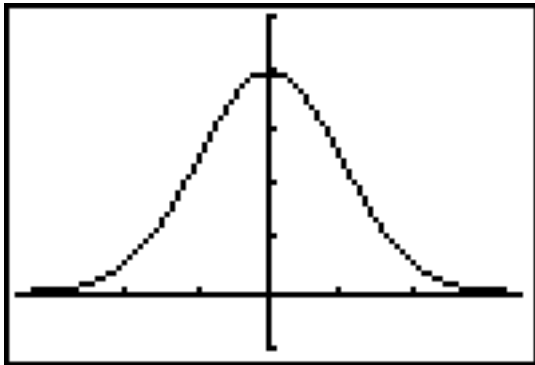


Standard Normal Distribution Curve Area

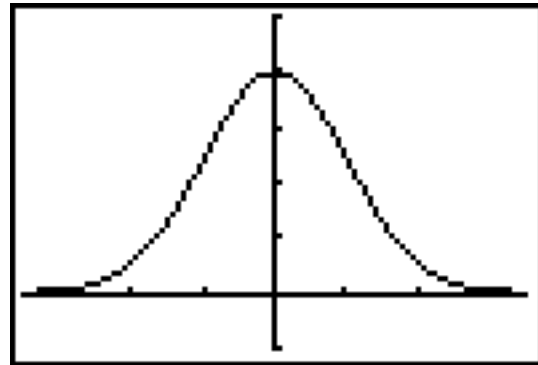
Name _____

Draw the region, and find the area under the standard normal curve to 4 decimal places. Use a table approach, and show each step in the process. The scalings for the window settings on the TI drawings below are 1 on the horizontal axis and 0.1 on the vertical axis. Use 4 decimal places for any area (or probability) question, and use 2 decimal places for any z value.

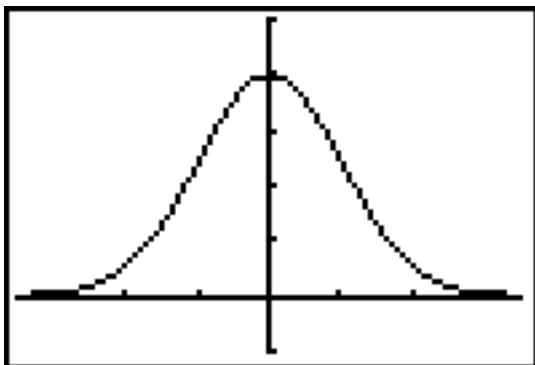
1. Between $z = 0$ and $z = 1.65$



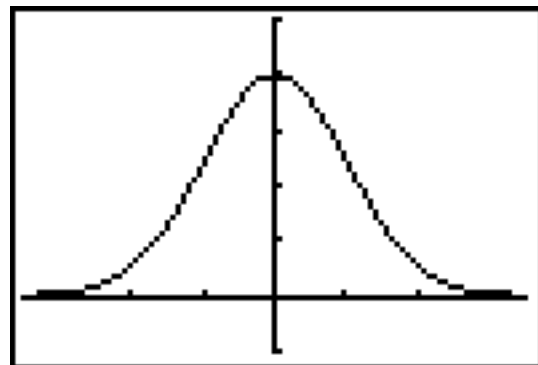
2. Between $z = -2.3$ and $z = 0$



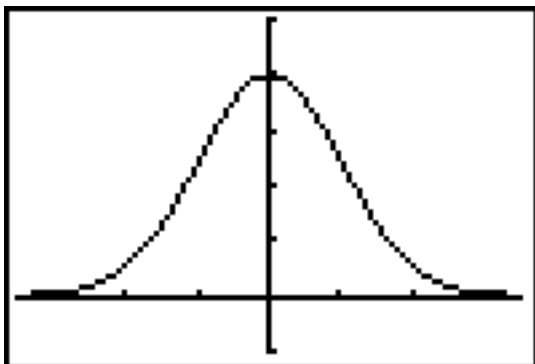
3. To the right of $z = 2.3$



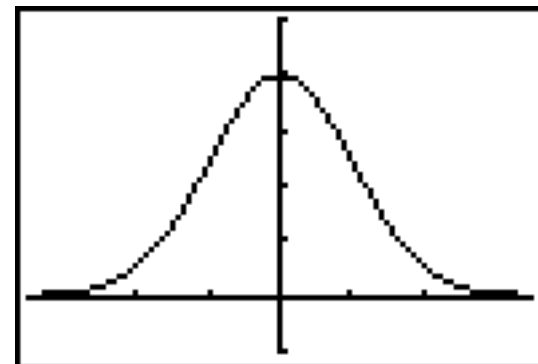
4. To the left of $z = -0.74$



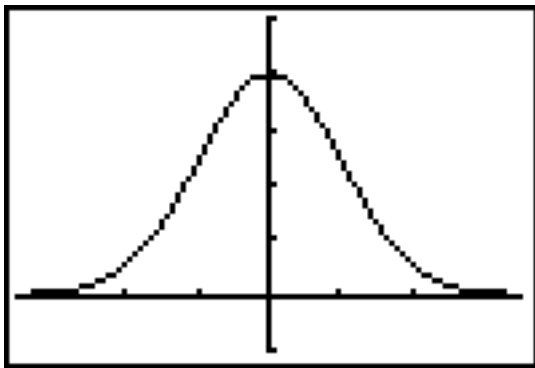
5. Between $z = -0.54$ and $z = -1.75$



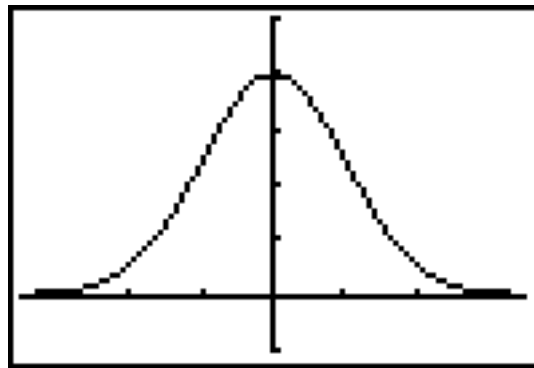
6. Between $z = 1$ and $z = 2.5$



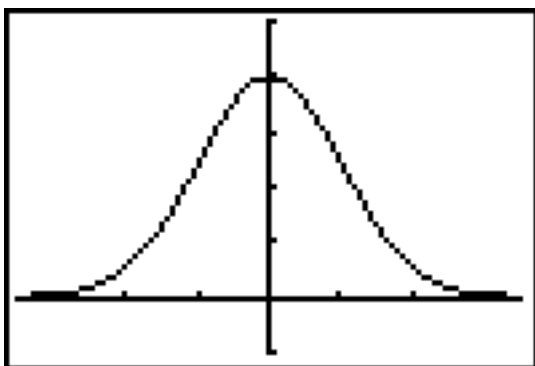
7. Between $z = -2.25$ and $z = 1.57$



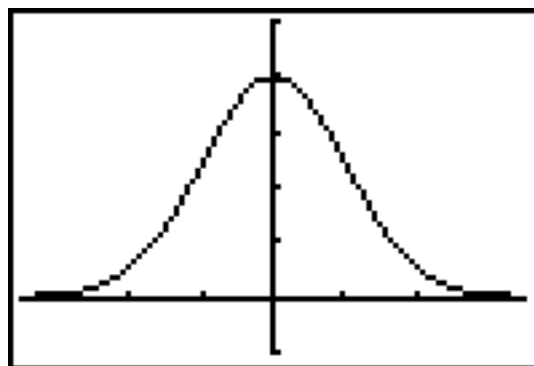
8. Less than $z = 2.06$



9. Greater than $z = -1.3$



10. To the left of $z = -1.25$ or to the right of $z = 2.4$



11. Using the standard normal distribution, find $P(-1.96 < z < 1.96)$.

12. Find the z value so that 69.85% of the area under the standard normal curve lies to the right of it.