Name _____ Date_____

Death Valley is at an elevation of –282 feet and Tallahassee is at an elevation of 203 feet.

   1. Use an inequality symbol (> or <) to compare these two elevations.

   2. Use an inequality symbol to compare the *absolute values* of these two elevations. Explain what this tells you about Death Valley and Tallahassee.

Name _____ Date_____

1. Given the inequality $-3\frac{1}{3} > -10.5,$ describe how the numbers would be positioned relative to each other on a number line.

2. Given the inequality $7.2 > -4.5,$ describe how the numbers would be positioned relative to each other on a number line.

3. Given the inequality $-2 < 0,$ describe how the numbers would be positioned relative to each other on a number line.

4. Given the inequality $x > y,$ describe how any number x and any number y would be positioned relative to each other on a number line.

Name _____ Date_____

A US Navy submarine, SeaWolf, is 40 feet below sea level while another, Nautilus, is 100 feet below sea level.

   a) Write integers that describe each submarine's position relative to sea level.

SeaWolf	Nautilus

   b) Write an inequality that compares these integers.

   c) Draw a number line diagram that shows the position of the submarines relative to each other.