## Practice quiz on the Number Line, including

Inequalities PUNTOS TOTALES DE 8 1. Which of the following real numbers is **not** an integer? 1/1 puntos 07 0 O -3 4.3 is a decimal that is between two consecutive integers (4 and 5). 2. Which of the following is the absolute value  $\left| -7 \right|$  of the number -7? 1/1 puntos  $\bigcirc$  -70 0 7 01 ✓ Correcto The absolute value of a number x is the distance along the number line from x to 0. In this case, -7 is 7 units away from 0, and so |-7|=7. 3. Suppose I tell you that x and y are two real numbers which make the statement x < y true. Which pair of ynumbers  $\underline{cannot}$  be values for x and y?  $\bigcirc$  x = 1 and y = 7.3 $\bigcirc$  x = -17.3 and y = -17.1(a) x = 5 and y = 3.3 $\bigcirc x = -1$  and y = 0The statement x < y means that x is to the left of y on the real number line. Since  $\overline{\mathbf{5}}$  is to the right of 3.3, these cannot be values for x and y. 4. Suppose I tell you that w is a real number which makes both of the following 1/1 puntos statements true: w > 1 and w < 1.2. Which of the following numbers could be w?  $\bigcirc w = 1.2$  $\bigcirc w = 11$ 

- $\bigcirc w = 0$
- $\odot w = 1.05$

✓ Correcto

1.05 > 1 is true since 1.05 is to the right of 1 on the real number line, and 1.05 < 1.2 is also true, since 1.05 is to the left of 1.2 on the real number line.

