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

Graphing Inequalities Homework

**Translate the following statements into mathematical statements or inequalities.**

**Draw on a number line.**

Macintosh HD:Users:danimendel:Desktop:Screen Shot 2013-10-05 at 6.51.45 PM.png1) t is less than five. \_\_\_\_\_\_\_\_\_\_\_\_

Macintosh HD:Users:danimendel:Desktop:Screen Shot 2013-10-05 at 6.51.45 PM.png2) q is greater than or equal to zero. \_\_\_\_\_\_\_\_\_\_\_\_

Macintosh HD:Users:danimendel:Desktop:Screen Shot 2013-10-05 at 6.51.45 PM.png3) y is no more than negative three. \_\_\_\_\_\_\_\_\_\_\_\_

Macintosh HD:Users:danimendel:Desktop:Screen Shot 2013-10-05 at 6.51.45 PM.png4) x is at least negative two. \_\_\_\_\_\_\_\_\_\_\_\_

Macintosh HD:Users:danimendel:Desktop:Screen Shot 2013-10-05 at 6.51.45 PM.png5) z is between negative three and four. \_\_\_\_\_\_\_\_\_\_\_\_

**Write the inequality statement ( Ex.  ) for each graph.**

6) \_\_\_\_\_\_\_\_\_\_\_\_\_

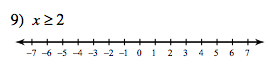
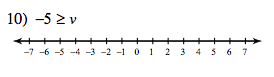
-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7

-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7

7) \_\_\_\_\_\_\_\_\_\_\_\_\_\_

8) \_\_\_\_\_\_\_\_\_\_\_\_\_\_

-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7

**Draw a graph for each inequality**