Algebra I Class Work 5.7

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Directions: You may use your book, notes, calculator, friends, and teacher. However you may not copy someone else work verbatim. **Show all your work.** If you are not finished at the end of class, write “NEED MORE TIME” at the top and turn your paper in – **you may not take it home.** You have one week to finish it.

Make a table of five ordered pairs and graph each function.

1. $y=\left|x\right|-2$
2. $y=\left|x-1\right|$

State the coordinate of the vertex of each function.

1. $f\left(x\right)=\left|x\right|+4$
2. $f\left(x\right)=\left|x-1\right|$

Write the function rule for each translation of *y* = |*x*|.

1. 8 units left, and 9 units down
2. 0.25 units right, 2 units up