**Name: Period: Job 39: Lesson 10-4 Translations of Functions**

**Part 1: Lesson 10-4 Textbook**

Page 436: 17, 20, 21 Draw & State the Axis of Symmetry if one. State how the graph translated from the parent function

Page 436: 25, 27, 33

**Part 2: Algebra Regents Questions –**

1. On the set of axes below, graph

$$h\left(x\right)=\frac{-1}{2}x+2$$

and

$$f\left(x\right)=\left\{\begin{array}{c}2x+1, x\leq -1\\2-x^{2}, x>-1\end{array}\right. $$

 

How many values of $x$ satisfy the equation $f\left(x\right)=h(x)$? Explain your answer, using evidence from your graphs.

3.







4.





5.

