

**Functions 4a – Absolute Value Function
Homework #1**

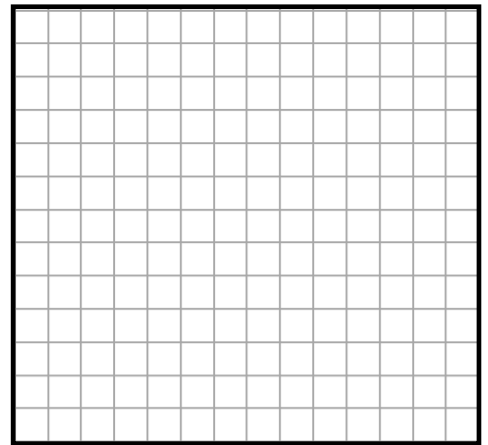
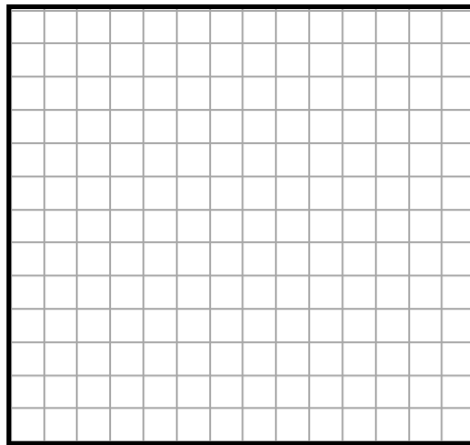
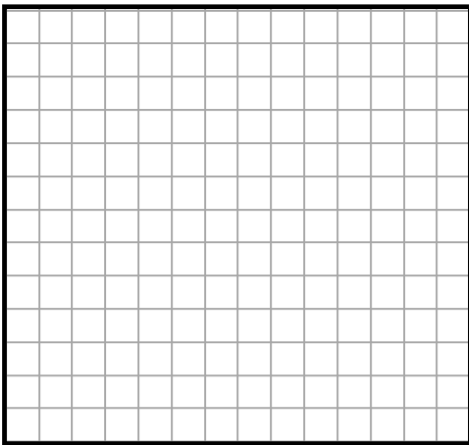
Name _____
Per _____ Date _____

Identify the vertex then graph on the grids provided.

1) $f(x) = 6|x - 7|$

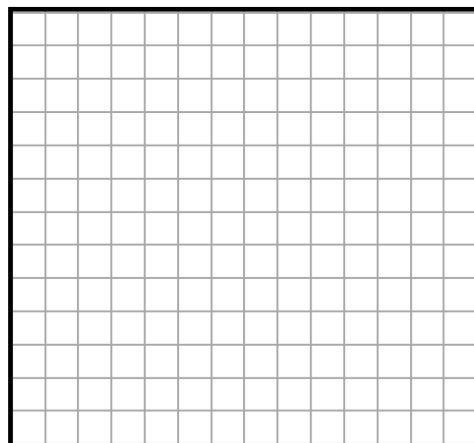
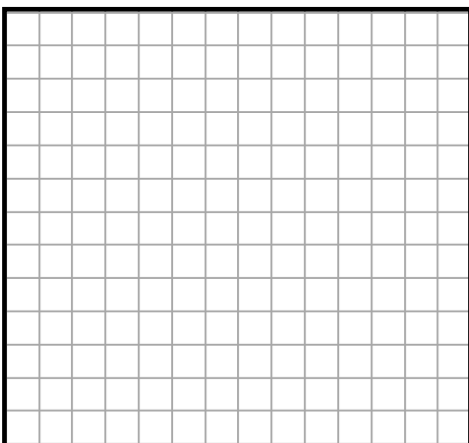
2) $g(x) = -|x - 8| + 1$

3) $h(x) = \frac{1}{3}|x - 3| + 4$



4) $j(x) = |x| - \frac{5}{2}$

5) $k(x) = -2|x + 9| + 3$



6) Given the graph of f to the right, graph the absolute value of f on the same axis using a highlighter.

