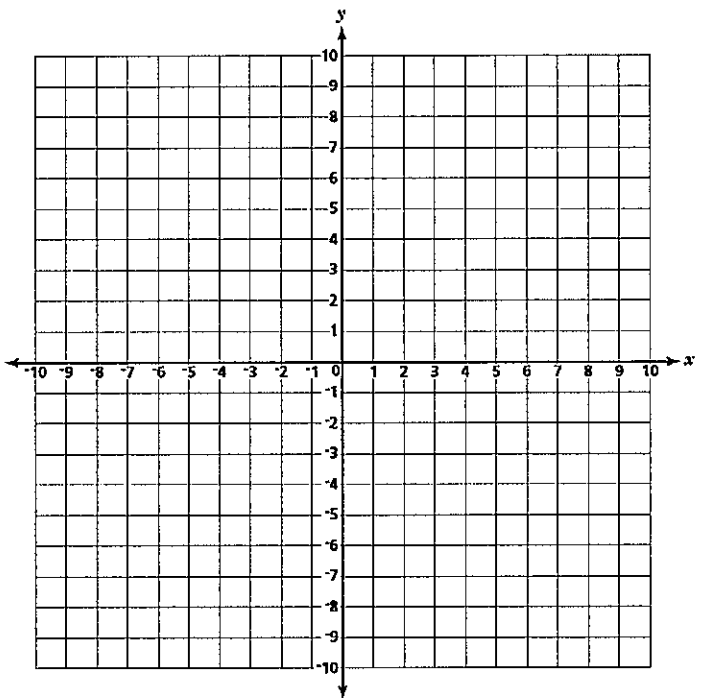


Name _____
8A; Algebra 1

Date _____
Period _____

Homework

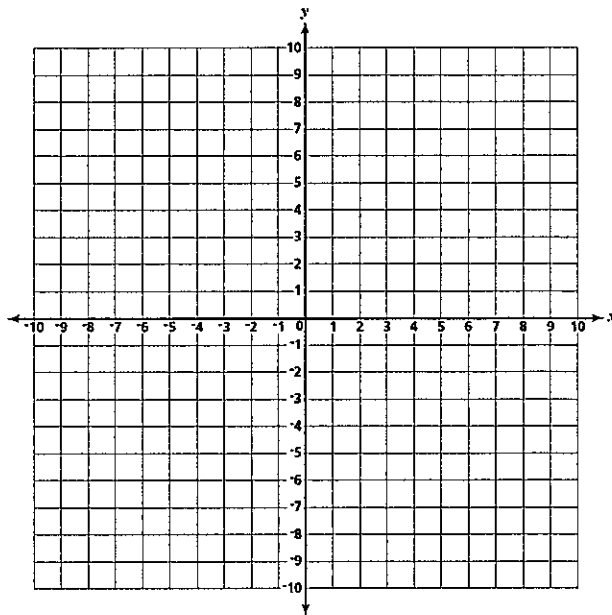
1. Graph $f(x) = \begin{cases} 2x-1, & x > -1 \\ -x+3, & x \leq -1 \end{cases}$



- a) What is the domain in set builder notation? _____
- b) What is the range in set builder notation? _____
- c) What is the domain in interval notation? _____
- d) What is the range in interval notation? _____

2. On the following graph, graph the following piecewise function:

$$f(x) = \begin{cases} -x, & x < 0 \\ x + 1, & x \geq 0 \end{cases}$$

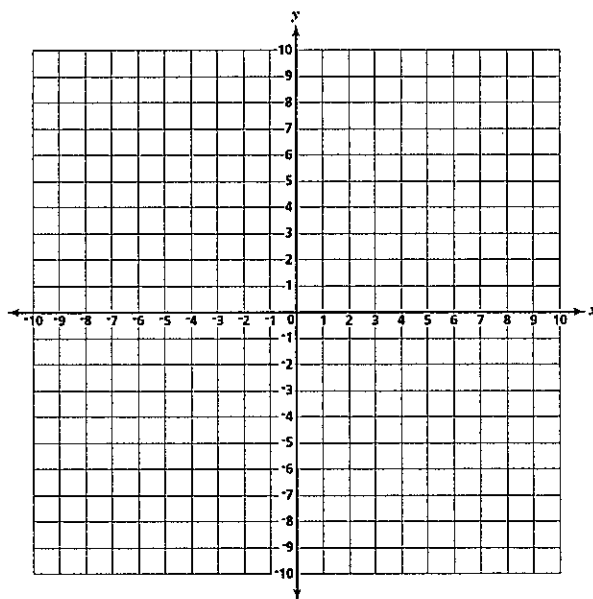


a) What is the domain in interval notation? _____

b) What is the range in interval notation? _____

3. On the following graph, graph the following piecewise function:

$$f(x) = \begin{cases} 3, & x > -1 \\ -x + 2, & x \leq -1 \end{cases}$$



a) What is the domain in set builder notation? _____

b) What is the range in set builder notation? _____