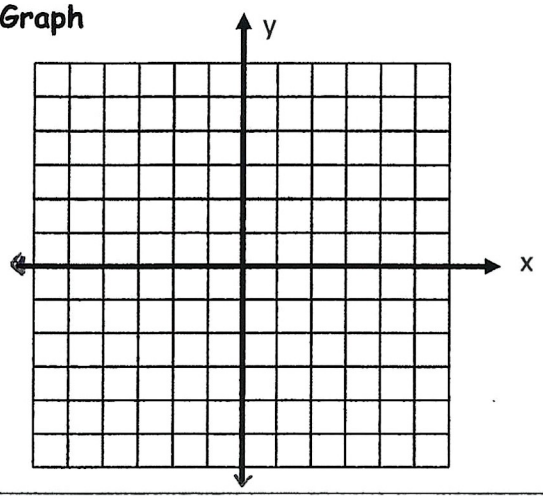
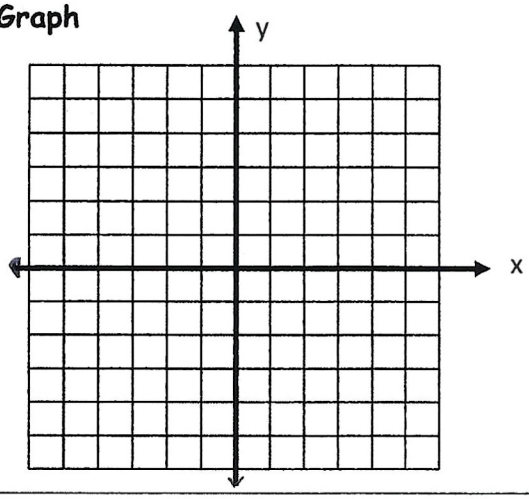
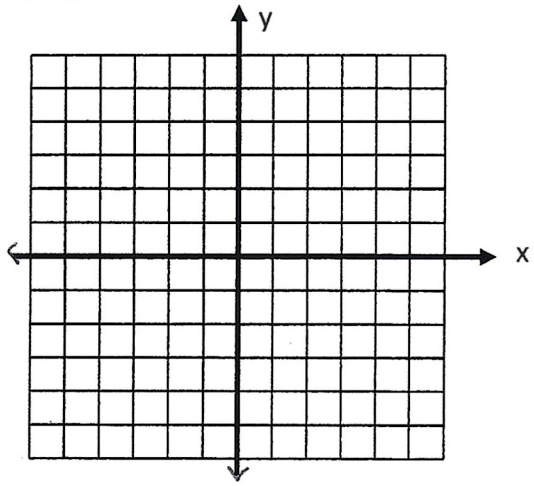
Name: _____

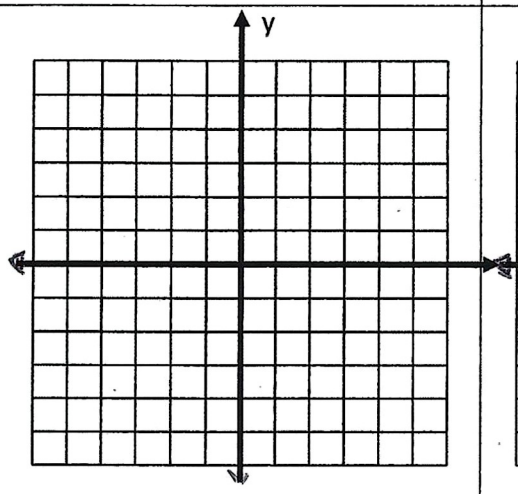
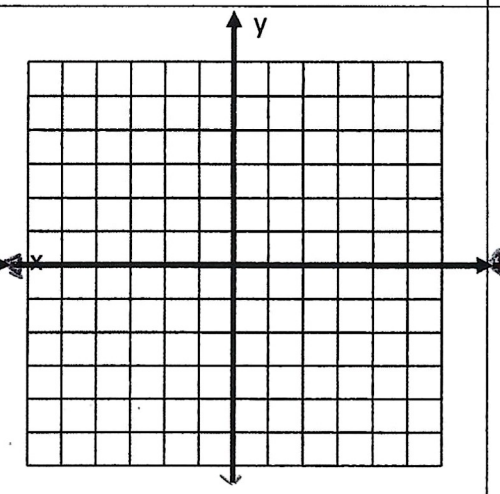
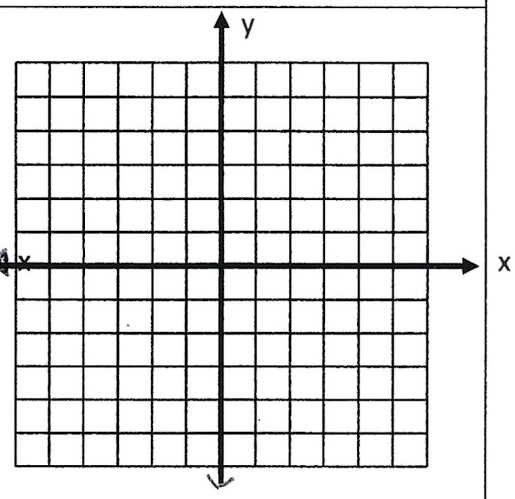
Introduction to Piecewise Functions

- Represented by a combination of equations, each corresponding to a part of the domain

1. Equation	2. Equation
$y = -\frac{1}{3}x + 1$	$y = \frac{2}{3}x - 4$
1. Graph 	2. Graph 
Highlight the PIECE where x is less than 0	Highlight the PIECE where x is greater than or equal to 0

Combine both PIECES into ONE FUNCTION called a _____

Equation
Graph 

3. Equation	4. Equation	5. Equation
$y = -2x - 4$	$y = -4$	$y = \frac{1}{2}x + 3$
		
Highlight the PIECE where x is less than -3	Highlight the PIECE where x is greater than -3 and less than 2	Higlight the PIECE where x is greater than or equal to 2

Combine all PIECES into ONE FUNCTION called a _____

Equation
Graph