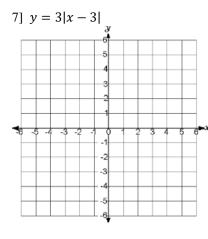
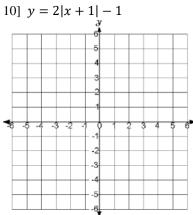
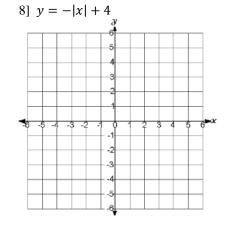
Name:	Period:	First	First attempt due:	Final
		Score:		Score:
Practice:			Final corrections due:	
Absolute Value Function	ns			
Identify the vertex. Determine its value. Decide if the graph	• • • •		mine if the graph has a maximum or r arent graph (circle).	ninimum (circle) and

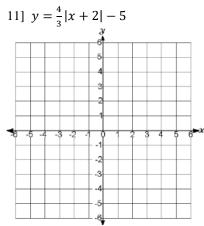
1] $y = - x + 1 $	2] $y = 7 x - 3 - 4$	3] $y = -\frac{2}{3} x - 1 $
Vertex: (,)	Vertex: (,)	Vertex: (,)
Opens: UP / DOWN	Opens: UP / DOWN	Opens: UP / DOWN
MAXIMUM/ MINIMUM of	MAXIMUM/ MINIMUM of	MAXIMUM/ MINIMUM of
NARROWER / WIDER / SAME	NARROWER / WIDER / SAME	NARROWER / WIDER / SAME
4] $y = \frac{5}{2} x+9 - 1$	5] $y = \frac{3}{4} x+3 - 6$	6] $y = - x + 5$
Vertex: ()	Vertex: (,)	Vertex: (,)
Opens: UP / DOWN	Opens: UP / DOWN	Opens: UP / DOWN
MAXIMUM/ MINIMUM of	MAXIMUM/ MINIMUM of	MAXIMUM/ MINIMUM of
NARROWER / WIDER / SAME	NARROWER / WIDER / SAME	NARROWER / WIDER / SAME

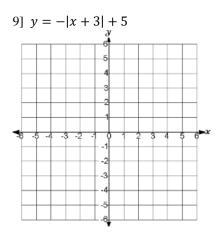
NEATLY graph each absolute value function.

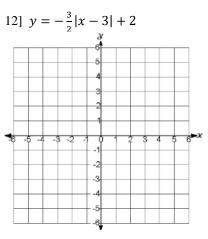




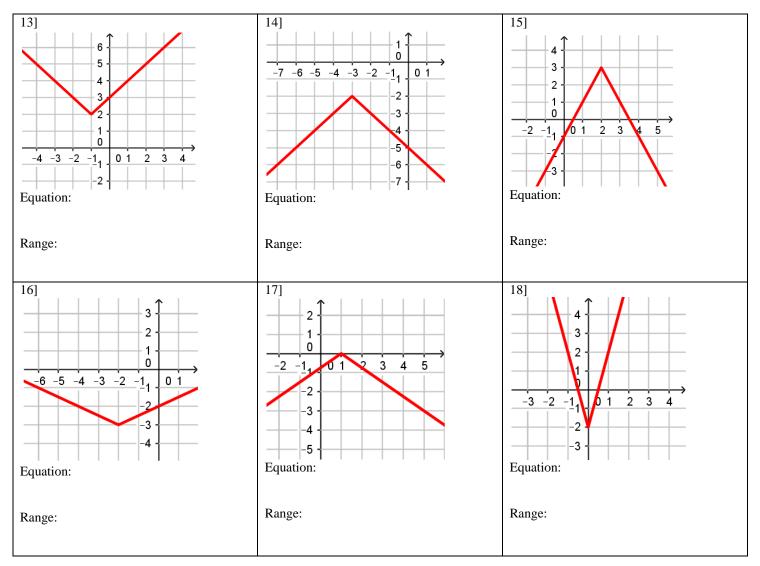








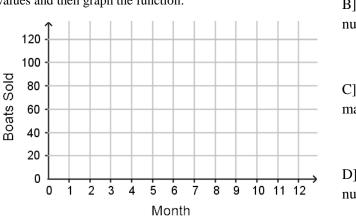
Write the equation of the graph. Then give its range as an inequality.



19] The number of boats *B* a boat dealer sells in each month of the year from March to December can be modeled by the function B = -15|t - 5| + 120 where *t* is the time in months and t = 1 represents January.

A] Complete the table of values and then graph the function.

Time	Boats
(months)	Sold
3	
5	
7	
9	
11	
12	



B] What is the maximum number of sales in one month?

C] In what month is the maximum reached?

D] What is the minimum number of sales in one month?

E] In what month is the minimum reached?