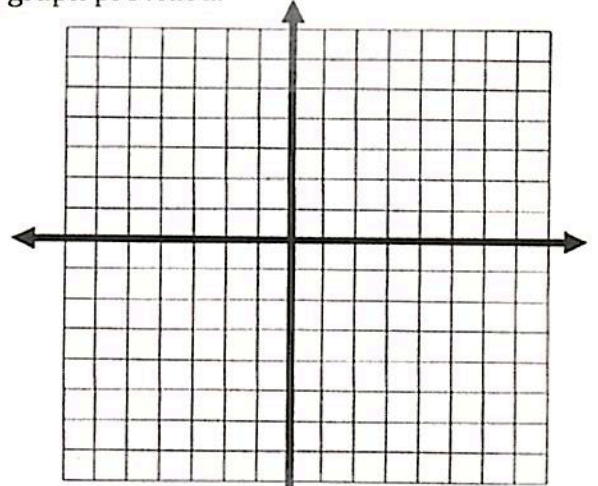


Name: \_\_\_\_\_  
PC: Even More Practice with Piecewise Functions

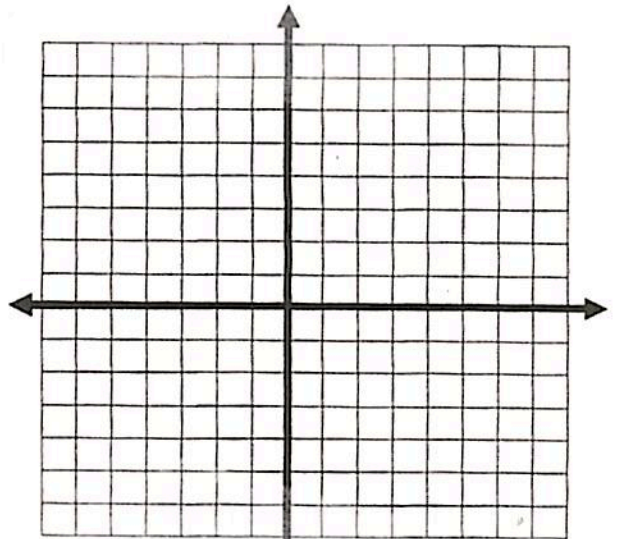
Date: \_\_\_\_\_  
Ms. Loughran

Graph each of the following piecewise functions on graph provided.

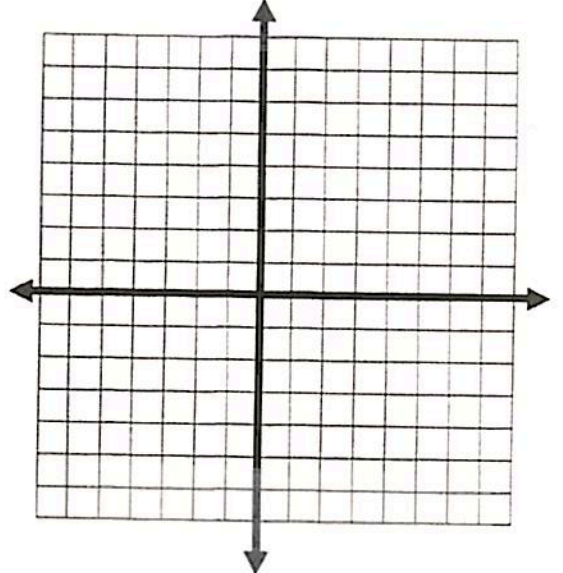
$$1. f(x) = \begin{cases} -6 & \text{if } x \leq -2 \\ 2x+1 & \text{if } x > -2 \end{cases}$$



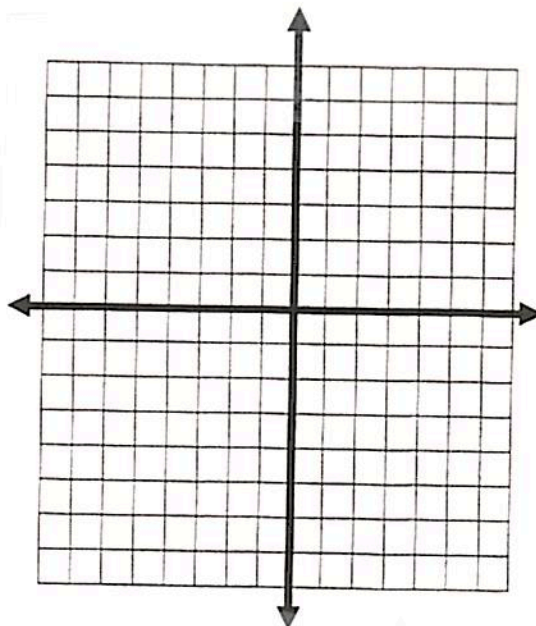
$$2. f(x) = \begin{cases} -\frac{1}{2}x+4 & \text{if } x \leq 2 \\ -2x+7 & \text{if } x > 2 \end{cases}$$



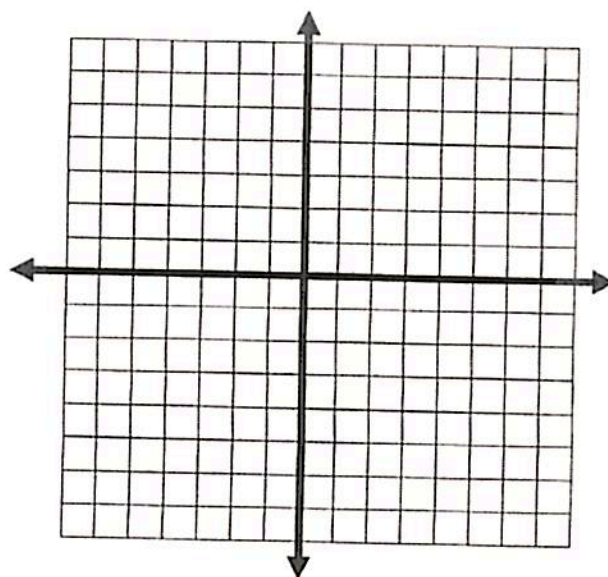
$$3. f(x) = \begin{cases} 5 & \text{if } x \leq -1 \\ -x+2 & \text{if } -1 < x < 5 \\ -5 & \text{if } x \geq 5 \end{cases}$$



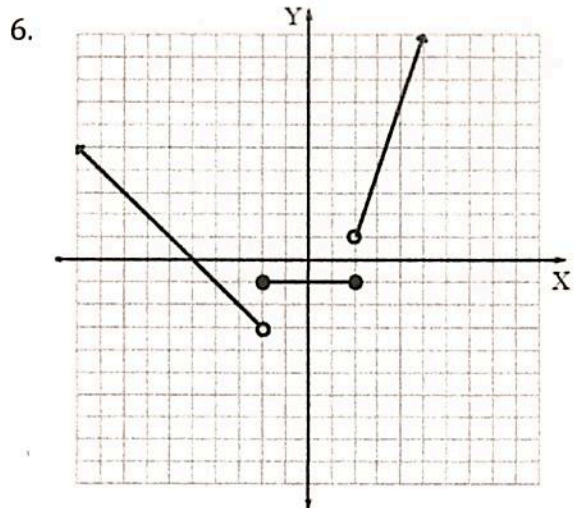
$$4. f(x) = \begin{cases} 4 & \text{if } x \geq 1 \\ x-2 & \text{if } x < 1 \end{cases}$$



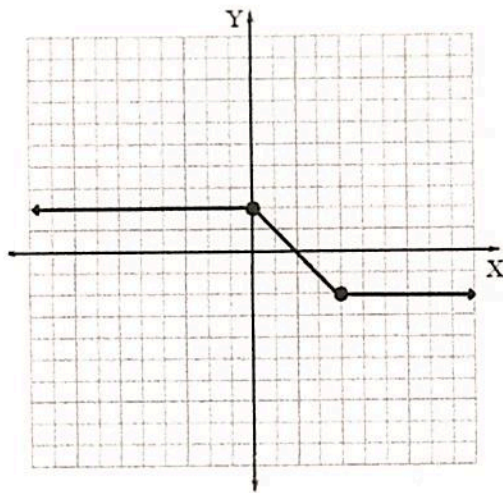
$$5. f(x) = \begin{cases} -x-5 & \text{if } x \leq -2 \\ -2x & \text{if } -2 < x < 4 \\ x-6 & \text{if } x \geq 4 \end{cases}$$



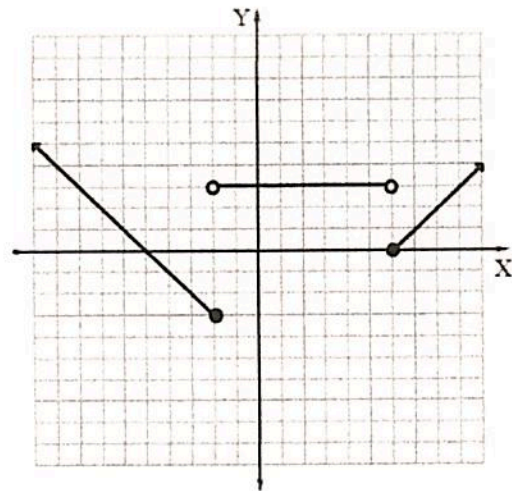
Write the equations for the piecewise functions whose graphs are shown below.



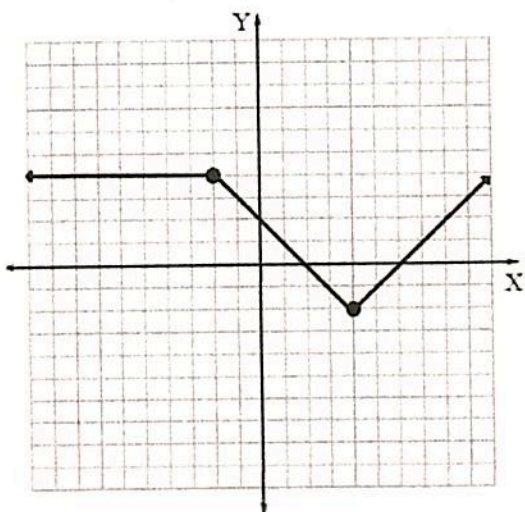
7.



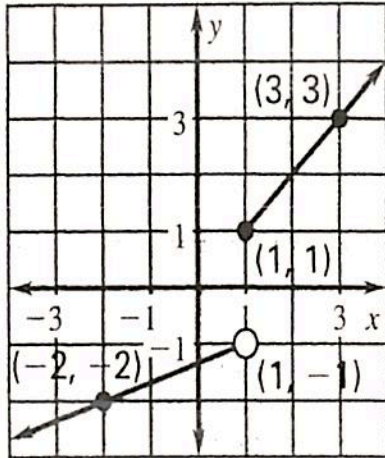
8.



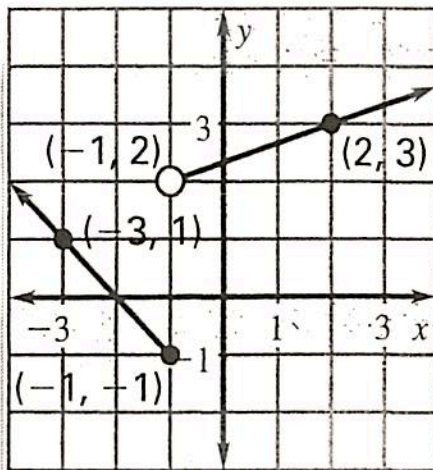
9.



10.



11.



12.

