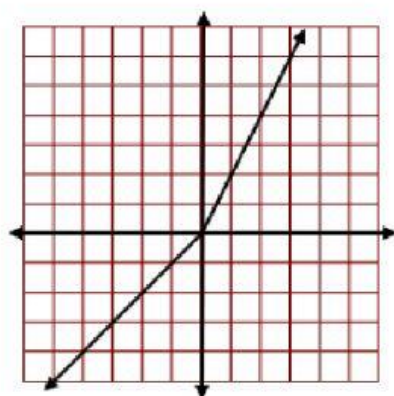


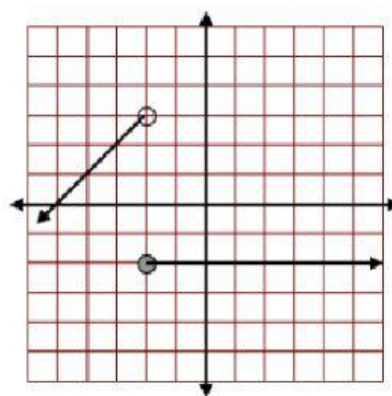
Write equations for the piecewise functions whose graphs are shown below.

1.



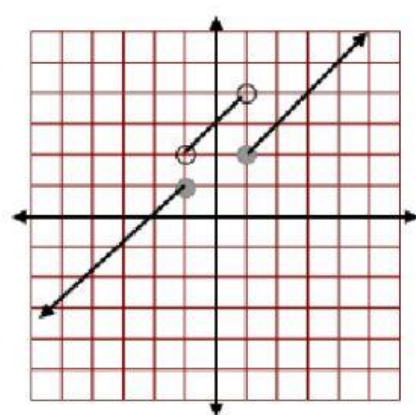
$$f(x) = \begin{cases} & \text{if } x \leq 0 \\ & \text{if } x > 0 \end{cases}$$

2.



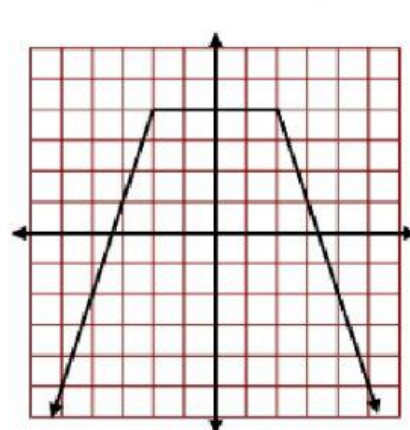
$$f(x) = \begin{cases} & \text{if } x < \\ & \text{if } x \geq \end{cases}$$

3.



$$f(x) = \begin{cases} & \text{if } x \leq \\ & \text{if } < x < \\ & \text{if } x \geq \end{cases}$$

4.



$$f(x) = \begin{cases} & \text{if } x \leq \\ & \text{if } \leq x \leq \\ & \text{if } x \geq \end{cases}$$