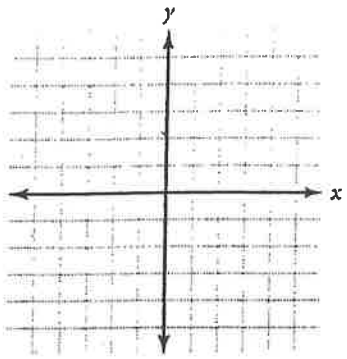
AA2 Monday Week 18

PracticeMaster Level A 2.6

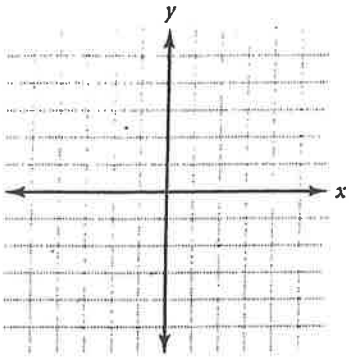
Graphing Piecewise Functions

…aph each function.

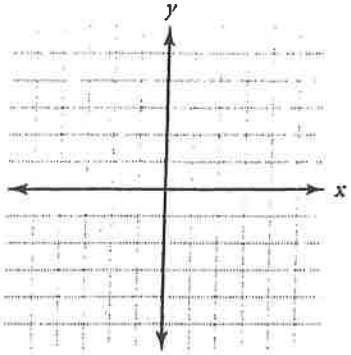
1. $f(x) = \begin{cases} 2x & \text{if } x < 0 \\ -x & \text{if } x \geq 0 \end{cases}$



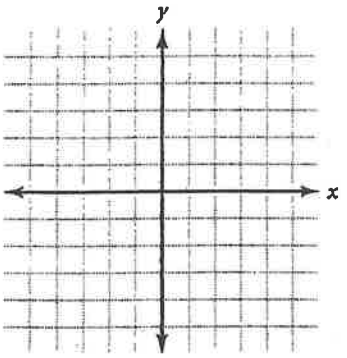
2. $g(x) = 2|x| + 1$



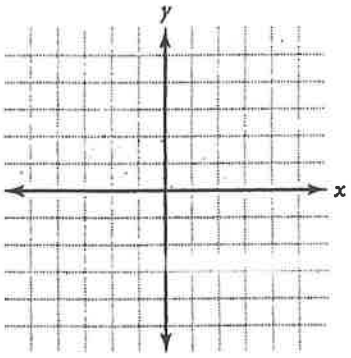
3. $g(x) = \begin{cases} 2x & \text{if } x < 0 \\ 2 & \text{if } x = 0 \\ 2x & \text{if } x > 0 \end{cases}$



4. $f(x) = \begin{cases} x & \text{if } 0 \leq x \leq 2 \\ 2 & \text{if } x > 2 \end{cases}$

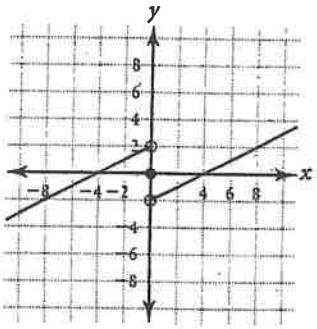


5. $g(x) = -|x| - 2$



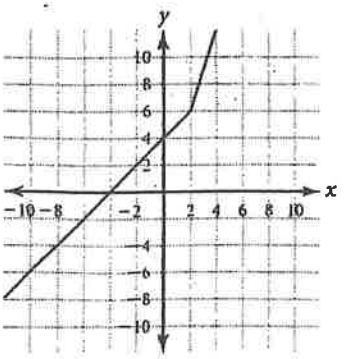
Write the special function represented by each graph.

6.

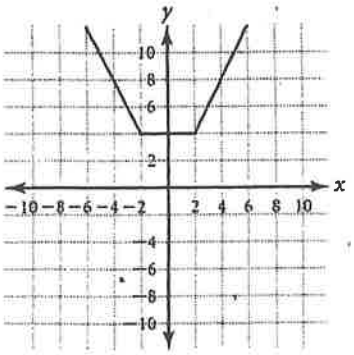


Write the piecewise function represented by each graph.

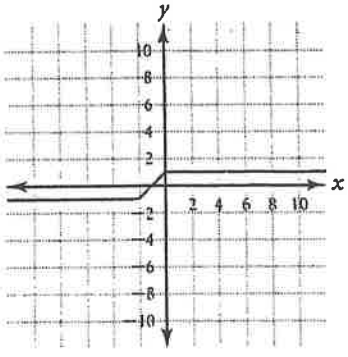
7.



8.



9.



2.10A modified