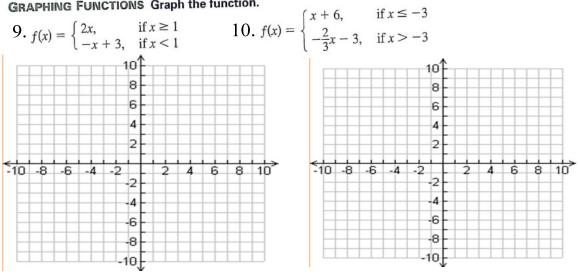
Name:

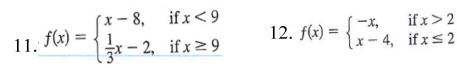
Ch 2.7 Piece functions Worksheet #1

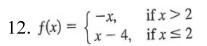
EVALUATING FUNCTIONS Evaluate the function for the given value of x.

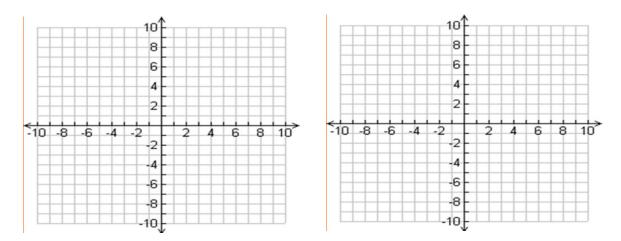
$f(x) = \begin{cases} 5x - 1, & \text{if } x < -2\\ x - 9, & \text{if } x \ge -2 \end{cases}$	1. $f(-4)$	2. f(-2)
	3. <i>f</i> (0)	4. <i>f</i> (5)
$h(x) = \begin{cases} \frac{1}{2}x - 10, & \text{if } x \le 6\\ -x - 1, & \text{if } x > 6 \end{cases}$	5. $h(1)$	6. $h(-10)$
$\left(-x-1, \text{if } x > 6\right)$	7. $h(6)$	8. $h(0)$

GRAPHING FUNCTIONS Graph the function.







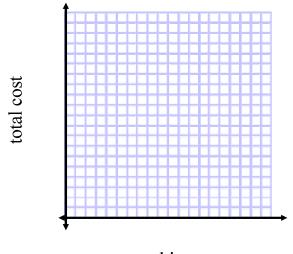


13. SILK-SCREEN T-SHIRTS In Exercises 54 and 55, use the following silk-screen shop charges.

- An initial charge of \$20 to create the silk screen
- \$17.00 per shirt for orders of 50 or fewer shirts
- \$15.80 per shirt for orders of more than 50 shirts

Write a piecewise function that gives the cost C for an order of x shirts.

Graph the function.





PARKING RATES The weekday parking rates for a garage are shown. Write and graph a piecewise function for the weekday parking charges at that garage.

