$\qquad$ Date $\qquad$ Class $\qquad$

## LESSON <br> Practice B

## 117 Function Notation

For each function, evaluate $f(-1), f(0), f\left(\frac{3}{2}\right)$.

1. $g(x)=-4 x+2$
2. $h(x)=x^{2}-3$
3. $f(x)=3 x^{2}+x$
4. $f(x)=\frac{X}{2}-1$

Graph each function. Then evaluate $\boldsymbol{f}(-2)$ and $\boldsymbol{f}(0)$.
5. $f(x)=x^{2}-4$

6. $f(x)=-\frac{3}{2} x+1$


## Solve.

7. On one day the value of $\$ 1.00$ U.S. was equivalent to 0.77 euro. On the same day $\$ 1.00$ U.S. was equivalent to $\$ 1.24$ Canadian. Write a function to represent the value of Canadian dollars in euros. What is the value of the function for an input of 5 rounded to the nearest cent, and what does it represent?
$\qquad$
8. PC Haven sells computers at a $15 \%$ discount on the original price plus a $\$ 200$ rebate. Write a function to represent the final price of a computer at PC Haven. What is the value of the function for an input of 2500 , and what does it represent?
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