## Chapter 3 Review extras

1. Suppose $f(x)=4 x-2$ and $g(x)=-2 x+1$. Find the value of $\frac{f(-3)}{g(-5)}$

Write in standard form an equation of the line passing through the given point with the given slope.
2. slope $=\frac{-6}{5} ;(1,-3)$

Find an equation for the line:
3. through $(-4,1)$ and perpendicular to $y=-\frac{5}{3} x+3$. 4. through $(-1,5)$ and parallel to $y=2 x-4$.
5. Given the variables $a, b, c$, and $d$. Use these variables to show
a) Commutative property of addition
b) Associative property of addition
c) Distributive property

## Chapter 3 Review extras

## Answer Section

## SHORT ANSWER

1. ANS:
$-1 \begin{gathered}3 \\ 11\end{gathered}$
PTS: 1 DIF: L3 REF: 2-1 Relations and Functions
OBJ: 2-1.2 Identifying Functions
TOP: 2-1 Example 6
KEY: function notation
2. ANS:
$5_{5}^{6} x+y=-9$
PTS: 1 DIF: L3 REF: 2-2 Linear Equations
OBJ: 2-2.2 Writing Equations of Lines TOP: 2-2 Example 4
KEY: point-slope form $\mid$ standard form of linear equation
3. ANS:
$y=\frac{3}{5} x+\frac{17}{5}$
PTS: 1 DIF: L2 REF: 2-2 Linear Equations
OBJ: 2-2.2 Writing Equations of Lines TOP: 2-2 Example 7
KEY: slope | perpendicular | equation of a line
4. ANS:
$y=2 x+7$
PTS: 1 DIF: L2 REF: 2-2 Linear Equations
OBJ: 2-2.2 Writing Equations of Lines TOP: 2-2 Example 7
KEY: slope | equation of a line
