

Algebra 1
Section 3.3 Worksheet #2

Name _____

Evaluate the function for the given value.

1. If $f(x) = \frac{2}{5}x - 3$, find $f(10)$.	2. If $h(x) = 5 - 3x$, find $h(-5)$.
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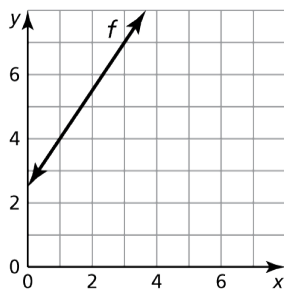
3. Let $c(t)$ be the number of customers in a department store t hours after 8 am. Explain the meaning of each statement.

a. $c(0) = 10$	b. $c(6) = c(7)$	c. $c(4) > c(3)$
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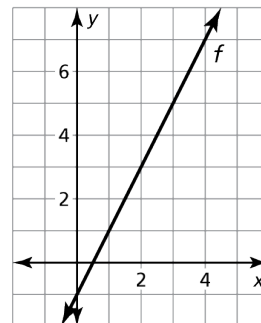
Find the value of x so that the function has the given value.

4. $f(x) = 6x + 2$; $f(x) = -22$	5. $g(x) = -10x$; $g(x) = 15$
6. $f(x) = 3x - 5$; $f(x) = 4$	7. $h(x) = 14 - 8x$; $h(x) = -2$

8. Find the value of x so that $f(x) = 4$.



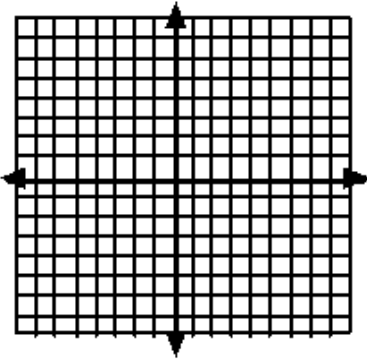
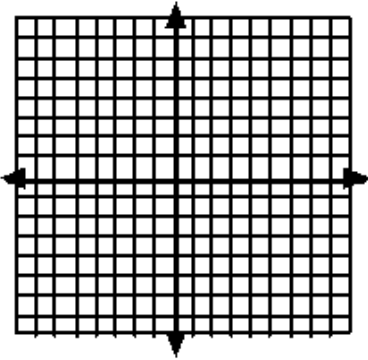
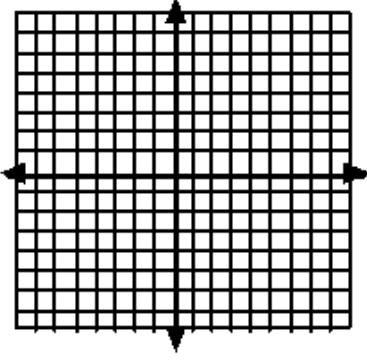
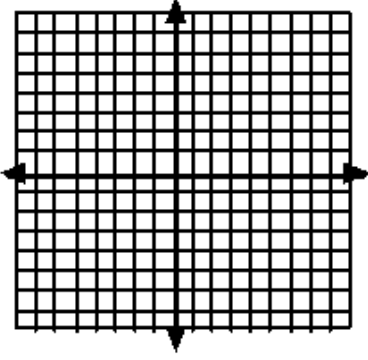
9. Find the value of x so that $f(x) = 5$.



10. The function $C(x) = 29x + 54.5$ represents the cost (in dollars) of cable for x months, including the \$54.50 installation fee.

<p>a. How much would you have spent on cable after 6 months?</p>	<p>b. How much would you have spent on cable after 1 year?</p>	<p>c. How many months of cable service can you have for \$344.50?</p>
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Graph the linear function by making a table of values.

<p>11. $f(x) = -3x + 5$</p> 	<p>12. $r(x) = \frac{1}{2}x - 3$</p> 
<p>13. $h(x) = 5$</p> 	<p>14. $p(x) = \frac{2}{3}x$</p> 

15. Let f be a function. Use each statement to find the coordinates of a point on the graph of f .

<p>a. $f(-2) = 7$</p>	<p>b. $f(0) = -6$</p>
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