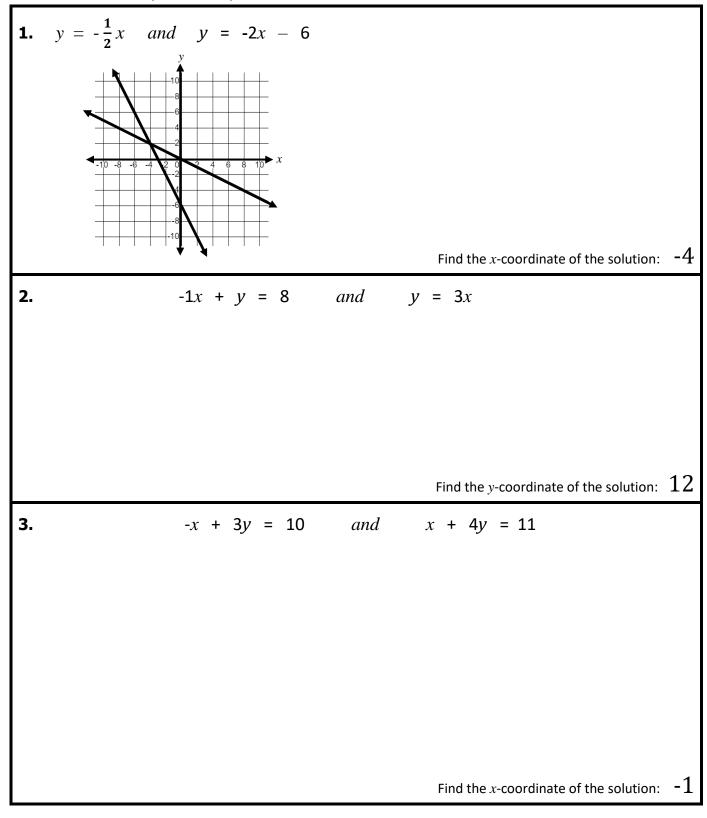




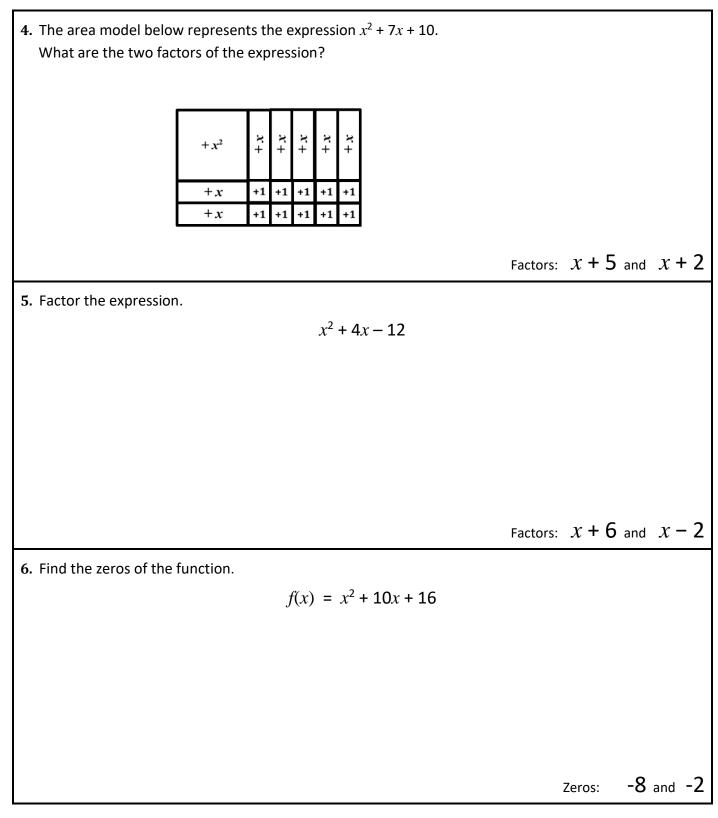
Questions 1-3: Solve systems of equations.





(Continued)

Questions 4-6: Factor quadratic expressions and reveal the zeros of a function.



(Continued)

Questions 7-9: Evaluate the function.

7. Use the graph to find the value of	f <i>f</i> (2).		f(x)
Circle your answer: $ \begin{bmatrix} -4 & -3 & -2 & -1 & -0.6 \\ 1 & 2 & 3 & 4 & 5 \end{bmatrix} $		8	
8. For the function $g(x) = x + 6$, find the value of $g(-4)$.			9. For the function $h(x) = x^2 + 5$, find the value of $h(3)$.
	Answer:	2	Answer: 14



(Continued)

Questions 10-12: Determine if a function is linear or non-linear.

10. Given the function of $f(x)$ provided in the table, circle the answer choice that makes the statement true.	x	0	1	2	3	5				
	f(x)	-4	-1	2	5	8				
 "The function represented in the table is" non-linear because the values of x and f(x) always change at a constant rate non-linear because the values of x and f(x) do not always change at a constant rate linear because the values of x and f(x) always change at a constant rate linear because the values of x and f(x) do not always change at a constant rate 										
11. Given the function of $g(x)$ provided in the table, circle the answer choice that makes the statement true.	x g(x)	0 -4	1 -1	2	3	5 11				
"The function represented in the table is"										
• non-linear because the values of x and g(x) always change at a constant rate										
 non-linear because the values of x and q(x) do not always change at a constant rate 										
• linear because the values of x and $g(x)$ always change at a constant rate										
 linear because the values of x and g(x) do not always change at a constant rate 										
12. Circle all of the linear functions.										
$f(x) = x^2 + 5$ $g(x) = 2x + 5$ $h(x)$	= 2 ^{<i>x</i>} +	5	k(x)	= <i>x</i>						



(Continued)

