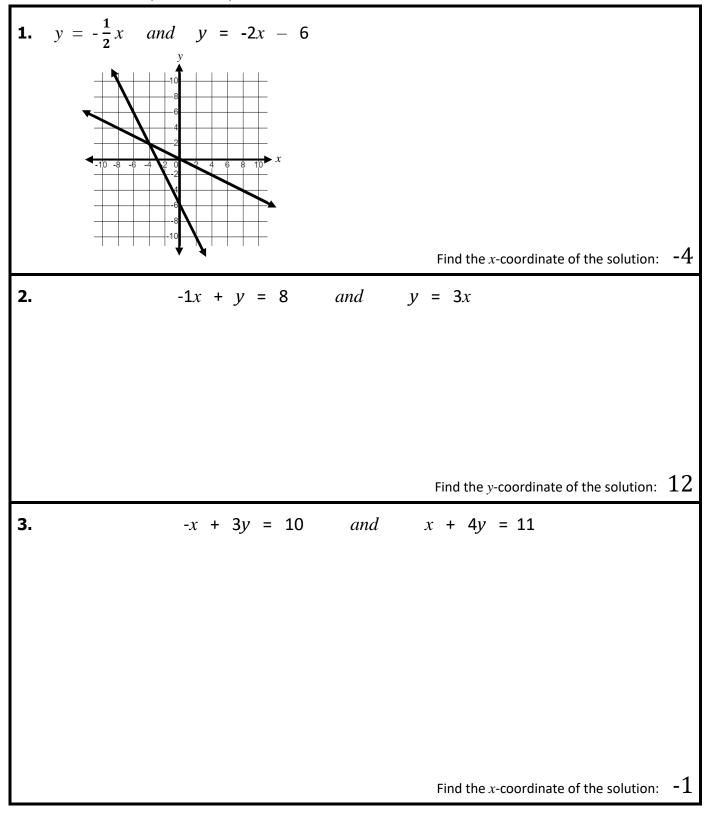




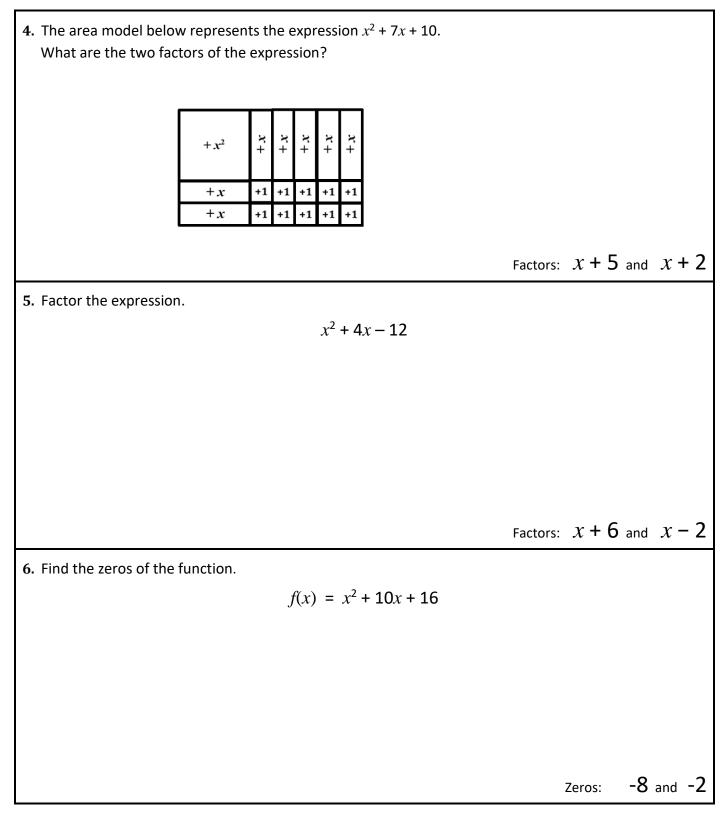
Questions 1-3: Solve systems of equations.





(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 o	f <i>f</i> (2).	f(x)	
Circle your answer: -4 -3 -2 -1 -0.6 1 2 3 4 5		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 th answer choice that makes the statement true.		0	1	2	3	5]				
	g(x)	-4	-1	2	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 g(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	<i>k</i> (<i>x</i>)	= <i>x</i>							



(Continued)

