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Are	e the following statements true or false?			
11.	$(k + 4)^2 = 16$ is a quadratic equation.			
12.	12. The solution set of $(x - 2)^2 = 25$ is $\{7, -3\}$.			
13.	13. $x^2 - 25x + 50$ is a perfect square trinomial.			
14.	$x^2 - 4x + 4$ factors into $(x + 2)^2$.			
So	ve.			
15.	$-5(x-1)^2 - 10 = -330$	16. $x^2 + x = 20$		
17.	$x^2 - 9x + 1 = 15$	18. $3b^2 - 6 = -5b$		
19.	9. The area of a rectangular floor is 96 square feet. The length is eight feet less than four times the width. Find the dimensions of the floor.			
20.	A flare is fired into the air from an aircraft that is 150 feet above the ground. The height of the flare is modeled by the equation $h = -16t^2 + 80t + 150$, where <i>h</i> is the flare's height in feet above the ground and <i>t</i> is the time in seconds since it was fired. At what time will the flare be 20 feet above the ground? Round the answer to the nearest hundredth of a second.			
 Answer the following questions with complete sentences. 21. Explain how to solve a quadratic equation by completing the square. 				
22.	Give an example of each of the following: a c roots, a quadratic equation with one real num with two real number roots.	uadratic equation with no real number nber root, and a quadratic equation		
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