Algebra I

12-3 Quadratic Formula

Solving Quadratic Equations -		
Types of Equations	Method for Solving.	
$0 = ax^2$	dwide bya, radical	
$0 = ax^2 + c$	-c,÷a,5	method
$0 = (x - h)^2$	5,11,±,+h	
$0 = a(x - h)^2$	-a,5,11,±,+h	
$0 = a(x - h)^2 + k$	-k,+a,5,11,±,+h	
$0 = ax^2 + bx$	Toex (ax+b); x=0 ax+b=0	
$0 = ax^2 + bx + c$	Backwards FOIL	»,- ६ }
what happens when the factor method doesn't work?		

Given $ax^2 + bx + c = 0$,

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Solve. Find a part b) to the nearest hundredth if necessary.

*1)
$$(x^2 + 5x + 6 = 0)$$

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*2 $(x+3)(x+2) = 0$

*3 $(x+3)(x+2) = 0$

*4 $(x+3)(x+2) = 0$

*5 $(x+3)(x+2) = 0$

*5 $(x+3)(x+2) = 0$

*5 $(x+3)(x+2) = 0$

*6 $(x+3)(x+2) = 0$

*7 $(x+3)(x+2) = 0$

*7 $(x+3)(x+2) = 0$

*8 $(x+3)(x+2) = 0$

*9 $(x+3)(x+2) = 0$

*9 $(x+3)(x+2) = 0$

*9 $(x+3)(x+2) = 0$

*9 $(x+3)(x+2) = 0$

*10 $(x+3)(x+2) = 0$

*10 $(x+3)(x+2) = 0$

*10 $(x+3)(x+2) = 0$

*11 $(x+3)(x+2) = 0$

*12 $(x+3)(x+2) = 0$

*13 $(x+3)(x+2) = 0$

*14 $(x+3)(x+2) = 0$

*15 $(x+3)(x+2) = 0$

*16 $(x+3)(x+2) = 0$

*17 $(x+3)(x+2) = 0$

*18 $(x+3)(x+2) = 0$

*18 $(x+3)(x+2) = 0$

*19 $(x+3)(x+2) = 0$

*10 $(x+3)(x+2$

*2)
$$5x^2 + 9x = 2$$
 $5x^2 + 9x - 2 = 0$
 $4x^2 + 2x + 3 = 0$
 $4x^2 +$

Assignment: pg. 569 2-18 even.

Do part b when necessary.