

Math C

2Sem Unit 2 Quiz

1. State the discriminant for the following function.  
 $f(x) = x^2 + 5x - 6$
2. State the discriminant for the following function.  
 $f(x) = x^2 - 5x - 4$
3. Find the solutions to the following quadratic equation.  
 $x^2 + 4x - 6 = 0$
4. Find the solutions to the following quadratic equation.  
 $x^2 + 8x + 3 = 0$
5. Find the solutions to the following quadratic equation.  
 $4x^2 - 20x = 0$
6. Find the solutions to the following quadratic equation.  
 $x^2 - 18x - 40 = 0$
7. Find the solutions to the following quadratic equation.  
 $x^2 - 49 = 0$
8. Find the solutions to the following quadratic equation.  
 $4x^2 - 100 = 0$
9. Find the constant "c" that makes the following trinomial a perfect square.  
 $x^2 + 14x + c$
10. Find the constant "c" that makes the following trinomial a perfect square.  
 $x^2 - 24x + c$