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| **Studying Quadratic Solutions (8.3)** | **Math 098** |

Recall: The solutions to  for  are given by 

The Discriminant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
|  |  |  |
| The discriminant \_\_\_\_\_\_\_\_\_\_ | The discriminant \_\_\_\_\_\_\_\_\_\_ | The discriminant \_\_\_\_\_\_\_\_\_\_ |

Consider the following quadratic equations. How many and what type of solutions are there in each of these examples.

1. 
2. 
3. 

Find quadratic equation(s) for which the given values are the solutions

1. 4 and 2/3
2. -5
3. 
4.  and  (solve using two methods)
5.  and  (solve using two methods)