Calculate the discriminant of each quadratic to determine the number and type of solutions for each equation. Then solve.

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| **Quadratic Equations** | **Discriminant** | **Number & Type of Solutions** | **Solve the equation:** |
| A = \_\_\_\_\_\_\_\_\_\_\_\_  B = \_\_\_\_\_\_\_\_\_\_\_\_  C = \_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |
| A = \_\_\_\_\_\_\_\_\_\_\_\_  B = \_\_\_\_\_\_\_\_\_\_\_\_  C = \_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |
| A = \_\_\_\_\_\_\_\_\_\_\_\_  B = \_\_\_\_\_\_\_\_\_\_\_\_  C = \_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |
| A = \_\_\_\_\_\_\_\_\_\_\_\_  B = \_\_\_\_\_\_\_\_\_\_\_\_  C = \_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |
| A = \_\_\_\_\_\_\_\_\_\_\_\_  B = \_\_\_\_\_\_\_\_\_\_\_\_  C = \_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |
| A = \_\_\_\_\_\_\_\_\_\_\_\_  B = \_\_\_\_\_\_\_\_\_\_\_\_  C = \_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |
| A = \_\_\_\_\_\_\_\_\_\_\_\_  B = \_\_\_\_\_\_\_\_\_\_\_\_  C = \_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |